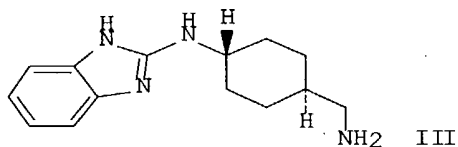
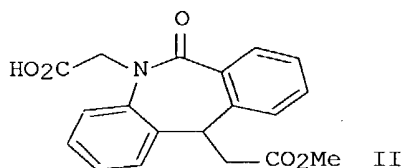
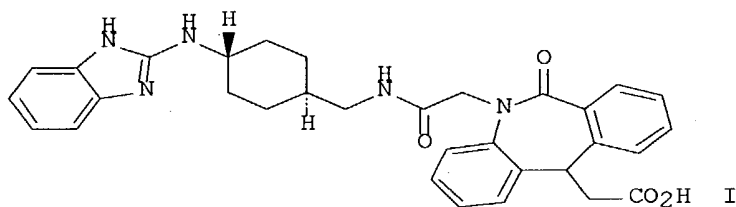


Compounds made by By

L11 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:97692 CAPLUS Full-text
DN 137:103383
TI Synthesis and SAR of N-substituted dibenzazepinone derivatives as novel
potent and selective $\alpha\text{V}\beta 3$ antagonists
AU Kling, Andreas; Backfisch, Gisela; Delzer, Jurgen; Geneste, Herve;
Graef, Claudia; Holzenkamp, Uta; Hornberger, Wilfried; Lange, Udo E. W.;
Lauterbach, Arnulf; Mack, Helmut; Seitz, Werner; Subkowski, Thomas
CS Knoll GmbH, Ludwigshafen, D-67008, Germany
SO Bioorganic & Medicinal Chemistry Letters (2002), 12(3), 441-446
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 137:103383
GI



AB Substituted oxodibenzazepineacetic acids substituted with guanidines or
guanidine pharmacophores such as I are prepared as potential $\alpha\text{V}\beta 3$
(vitronectin receptor) antagonists. The oxodibenzazepineacetic acid
core II is prepared in 5 steps from 9,10-anthraquinone; coupling of II
with guanidine or guanidine pharmacophore-substituted amines such as III
followed by hydrolysis of the Me ester yields compds. such as I.
Structure-activity relationships are determined for the guanidine or
guanidine pharmacophore-substituted oxodibenzazepineacetic acids,
varying the linker between the guanidine pharmacophore and the
oxodibenzazepine and the choice of guanidine pharmacophore. Compound I
and a second guanidine pharmacophore-substituted oxodibenzazepineacetic
acid are found to be highly active inhibitors of the vitronectin
receptor in vitro and are found to be bioavailable in ADME assays.

IT 326401-69-8P 326401-92-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation)

(preparation of a guanidine or guanidine pharmacophore-substituted
oxodibenzazepineacetic acid and lack of activity as a potential
 $\alpha\text{V}\beta 3$ receptor antagonist)

RN 326401-69-8 CAPLUS

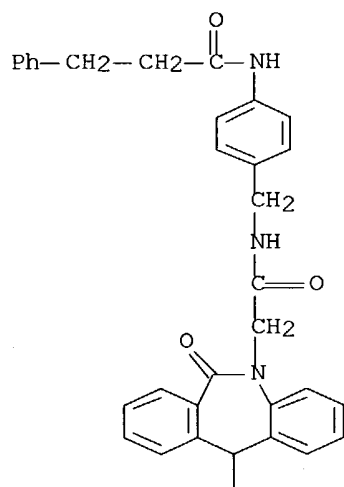
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

[[[4-

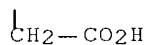
[(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]- (9CI) (CA

INDEX
NAME)

PAGE 1-A

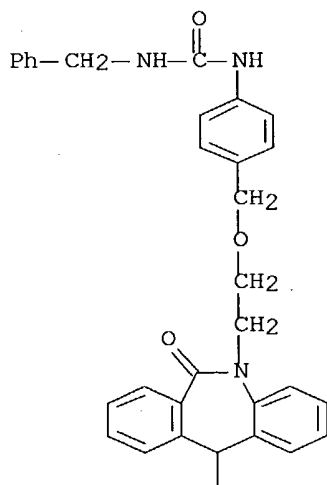


PAGE 2-A

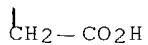


RN 326401-92-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methoxy]ethyl]- (9CI) (CA
INDEX NAME)

PAGE 1-A



PAGE 2-A



IT 326398-90-7P 326399-52-4P 326399-69-3P

326399-78-4P 326399-83-1P 326400-55-9P
 326400-65-1P 326400-70-8P 326401-04-1P
 326401-08-5P 326401-18-7P 326401-26-7P
 326401-36-9P 326401-41-6P 326401-74-5P
 326401-97-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation)

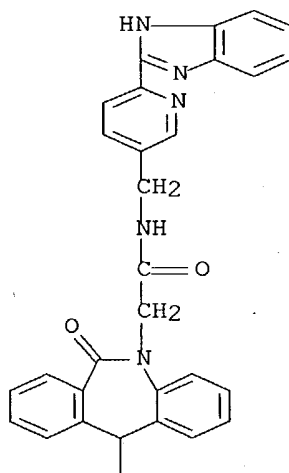
(preparation of guanidine or guanidine pharmacophore-substituted
 oxodibenzazepineacetic acids as potential $\alpha\text{V}\beta\text{3}$ receptor
 antagonists)

RN 326398-90-7 CAPLUS

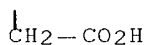
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-

3-
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 NAME)

PAGE 1-A



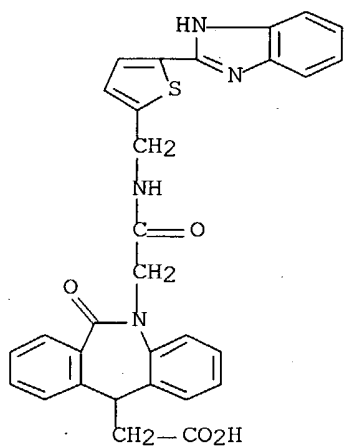
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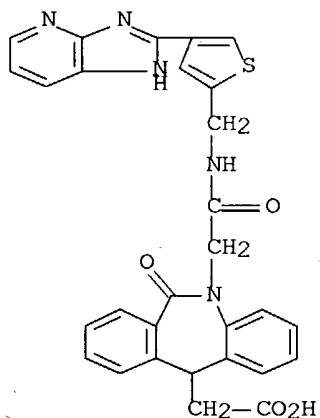
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-

2-
 thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
 NAME)



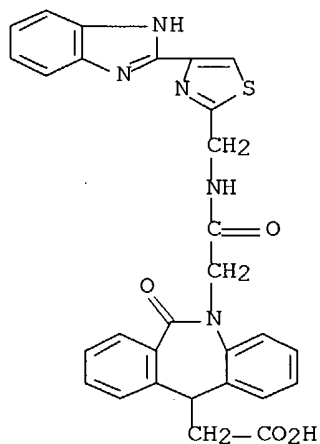
RN 326399-69-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



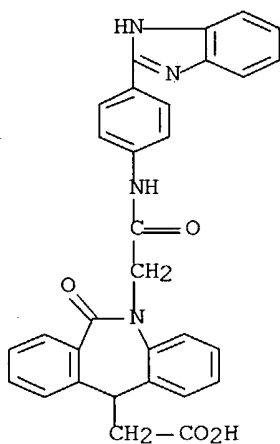
RN 326399-78-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-83-1 CAPLUS

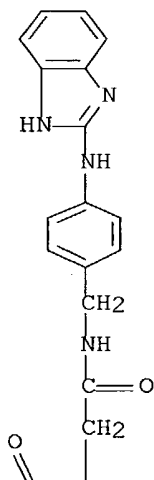
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



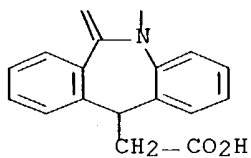
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

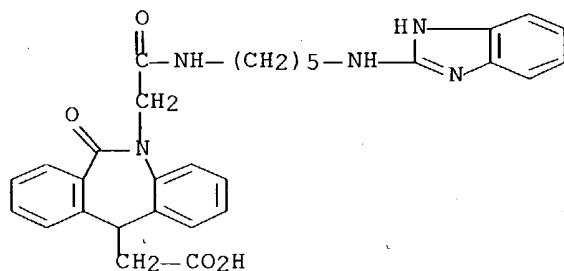


PAGE 2-A



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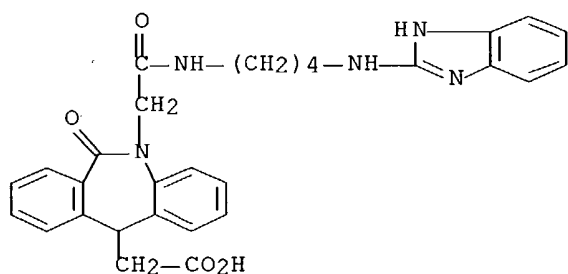
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-70-8 CAPLUS

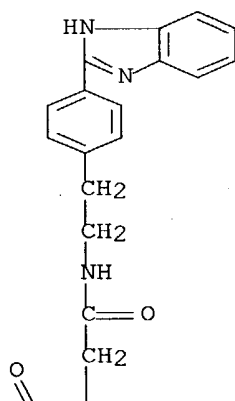
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-

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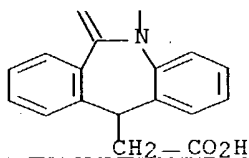


RN 326401-04-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

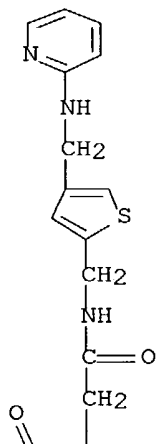


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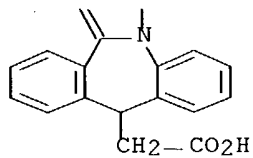


RN 326401-08-5 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-
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 INDEX
 NAME)

PAGE 1-A

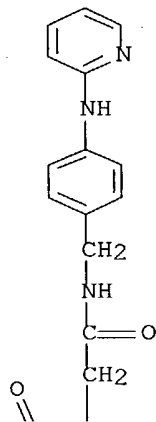


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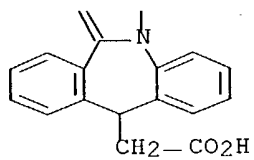


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 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-
 (2-pyridinylamino)phenyl)methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

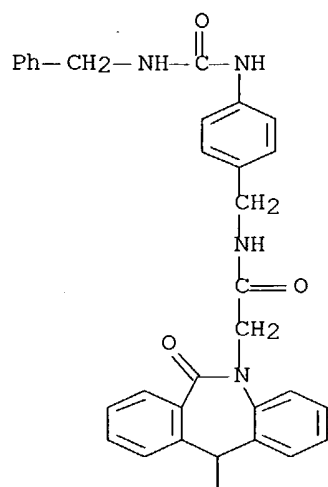


RN 326401-26-7 CAPLUS

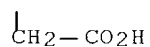
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-

[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 2-A



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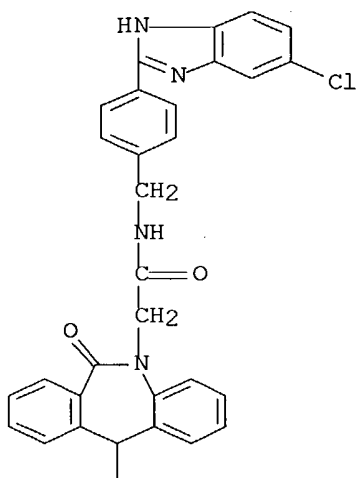
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-

2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA

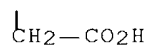
INDEX

NAME)

PAGE 1-A



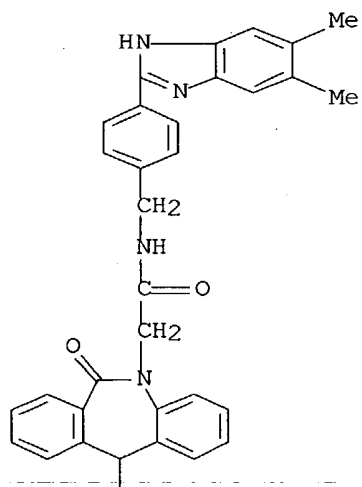
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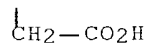
RN 326401-41-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



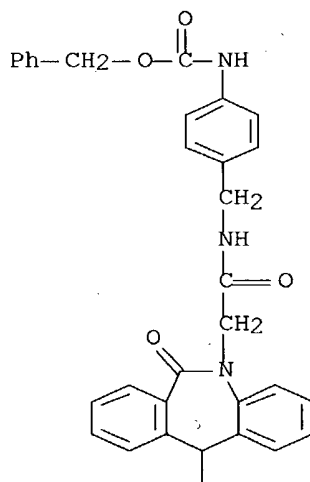
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

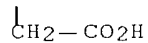
[[[4-

[(phenylmethoxy)carbonyl]amino]phenyl)methyl]amino]ethyl]- (9CI) (CA
INDEX NAME)

PAGE 1-A



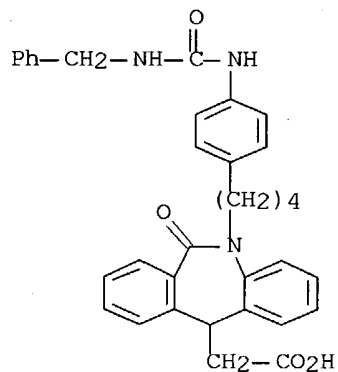
PAGE 2-A



RN 326401-97-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-

[[[(phenylmethyl)amino]carbonyl]amino]phenyl]butyl]- (9CI) (CA INDEX
NAME)



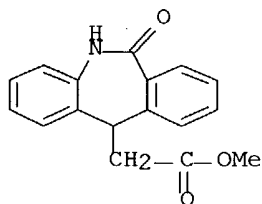
IT 90664-75-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of guanidine or guanidine pharmacophore-substituted
oxodibenzazepineacetic acids as potential $\alpha\text{V}\beta\text{3}$ receptor
antagonists)

RN 90664-75-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)



IT 90664-74-7P 326400-60-6P 326401-22-3P

326404-40-4P 326404-44-8P 326404-49-3P

326408-08-6P 326408-33-7P 326410-52-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

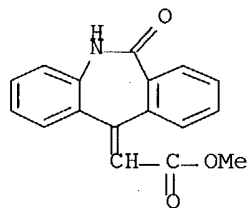
RACT

(Reactant or reagent)

(preparation of guanidine or guanidine pharmacophore-substituted
oxodibenzazepineacetic acids as potential $\alpha\text{V}\beta\text{3}$ receptor
antagonists)

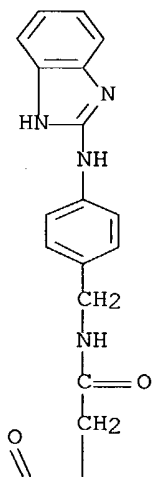
RN 90664-74-7 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-,
methyl
ester (9CI) (CA INDEX NAME)

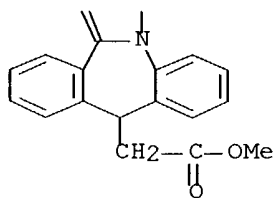


RN 326400-60-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A



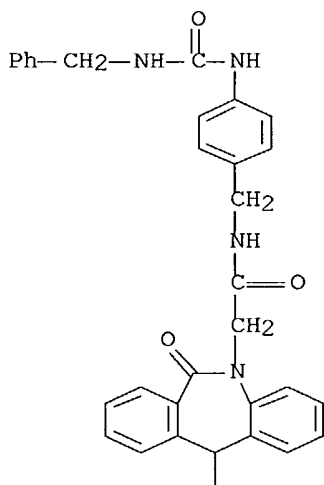
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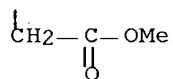
RN 326401-22-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

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 [[[(phenylmethyl) amino] carbonyl] amino] phenyl] methyl] amino] ethyl]-,
 methyl
 ester (9CI) (CA INDEX NAME)

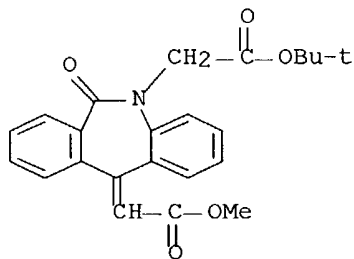
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PAGE 2-A

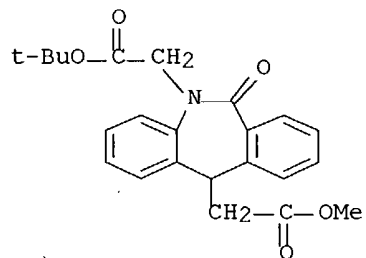


RN 326404-40-4 CAPLUS
 CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(2-methoxy-2-oxoethylidene)-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



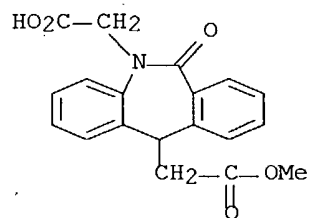
RN 326404-44-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
α5-(1,1-dimethylethyl) α11-methyl ester (9CI) (CA INDEX NAME)



RN 326404-49-3 CAPLUS

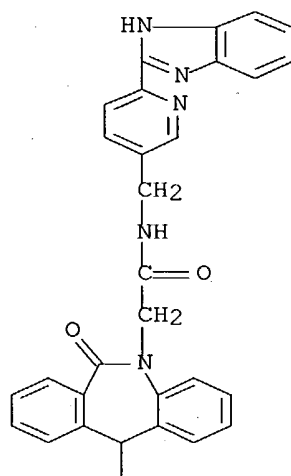
CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
α11-methyl ester (9CI) (CA INDEX NAME)



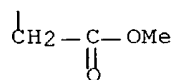
RN 326408-08-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)

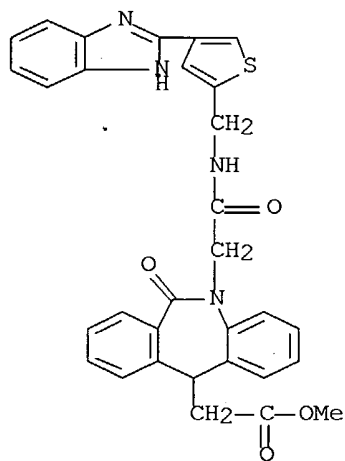
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PAGE 2-A

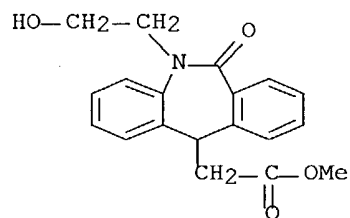


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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
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(9CI)
(CA INDEX NAME)



RN 326410-52-0 CAPLUS

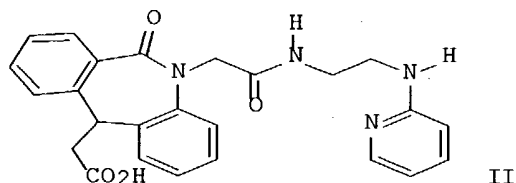
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-(2-hydroxyethyl)-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:115130 CAPLUS Full-text
 DN 134:178474
 TI Preparation of oxobenzazepinealkanoates and analogs as integrin receptor antagonists
 IN Kling, Andreas; Geneste, Herve; Lange, Udo; Lauterbach, Arnulf; Graef, Claudia Isabella; Subkowski, Thomas; Holzenkamp, Uta; Mack, Helmut; Sadowski, Jens; Hornberger, Wilfried; Laux, Volker
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 158 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 2000-EP7440	W	20000801		
OS	MARPAT 134:178474				
GI					



AB RZZ1R1 [I; R = group contg, ≥1 non-H H-bonding atom; R1 = CO2H, or group hydrolyzable to CO2H; Z = e.g., (hetero)annelated 2-oxo-1-benzazepin-1,5-diyl; Z1 = bond, (un)substituted NHCH2, -OCH2, -alkylene, -CH:CH, etc.] were prepared Thus, Me 11-methoxycarbonylmethyl-6-oxo-6,11-dihydro-5H-dibenz[b,e]azepine-5-acetate (preparation given) was amidated by N-(2-aminoethyl)pyridine-2-amine to give, after saponification, title compound II. Data for biol. activity of I were given.

IT 326398-79-2P 326398-84-9P 326398-90-7P
326399-01-3P 326399-07-9P 326399-11-5P
326399-17-1P 326399-23-9P 326399-27-3P
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326403-71-8P 326403-76-3P 326404-18-6P
326404-23-3P 326404-27-7P 326404-31-3P
326404-36-8P 326471-39-0P

RL: BAC (Biological activity or effector, except adverse); BSU

(Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic

use);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of oxobenzazepinealkanoates and analogs as integrin

receptor

antagonists)

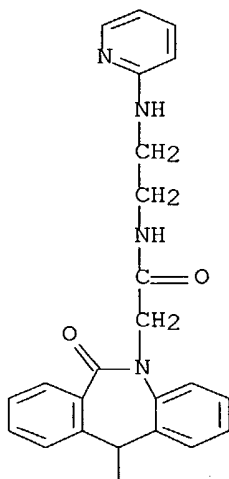
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-

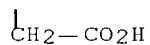
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PAGE 1-A

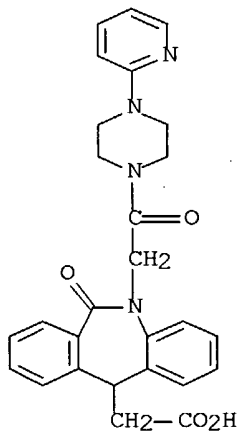


PAGE 2-A



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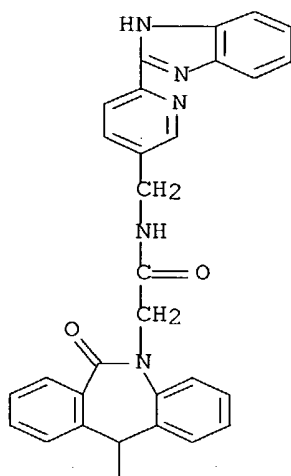
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



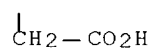
RN 326398-90-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



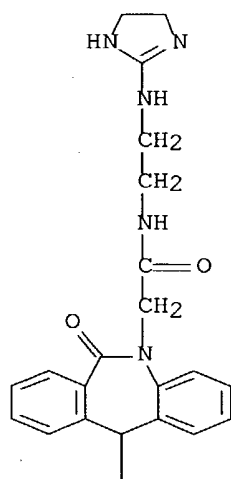
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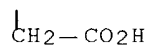
RN 326399-01-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[(4,5-dihydro-1H-imidazol-2-yl)amino]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

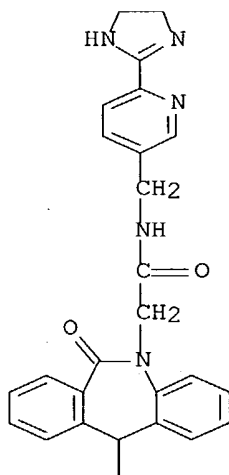


RN 326399-07-9 CAPLUS

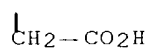
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(4,5-dihydro-1H-imidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate

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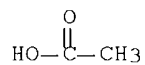
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PAGE 2-A

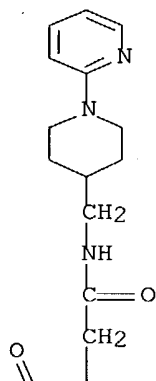


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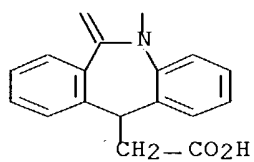


RN 326399-11-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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(2-pyridinyl)-4-piperidinyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



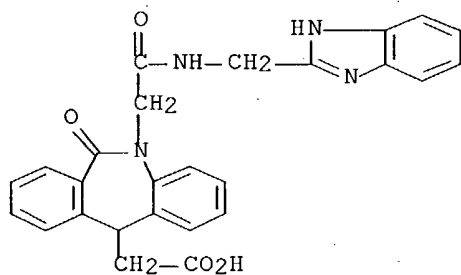
PAGE 2-A



RN 326399-17-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

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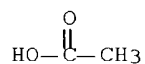
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CMF C26 H22 N4 O4



CM 2

CRN 64-19-7

CMF C2 H4 O2



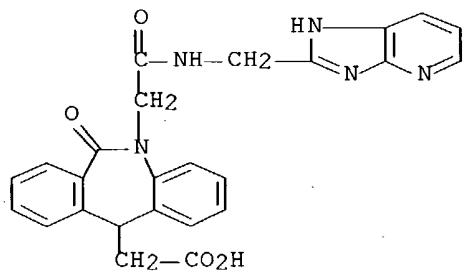
RN 326399-23-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1H-imidazo[4,5-b]pyridin-2-ylmethyl)amino]-2-oxoethyl]-6-oxo-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 326399-22-8

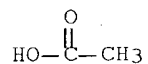
CMF C25 H21 N5 O4



CM 2

CRN 64-19-7

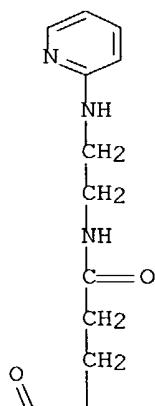
CMF C2 H4 O2



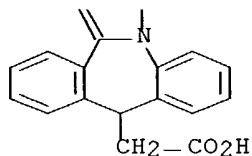
RN 326399-27-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[[2-(2-pyridinylamino)ethyl]amino]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



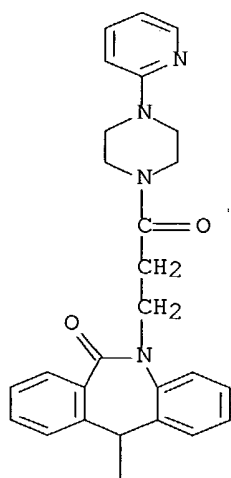
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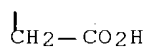
RN 326399-31-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[4-(2-pyridinyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

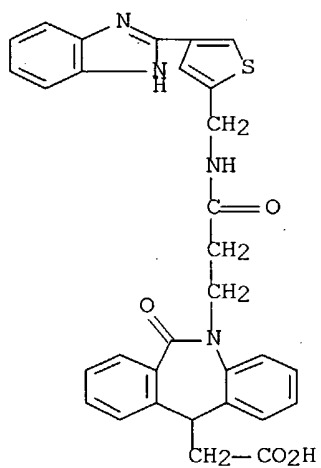


PAGE 2-A



RN 326399-36-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-3-oxopropyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

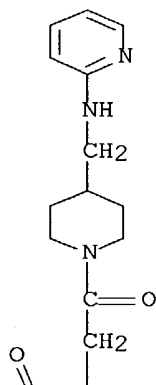


RN 326399-42-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinylamino)methyl]-1-piperidinyl]ethyl]-, monoacetate (9CI) (CA
 INDEX
 NAME)

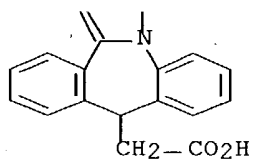
CM 1

CRN 326399-41-1
 CMF C29 H30 N4 O4

PAGE 1-A

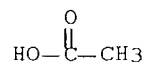


PAGE 2-A



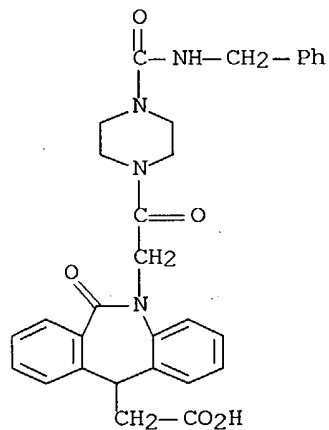
CM 2

CRN 64-19-7
 CMF C2 H4 O2



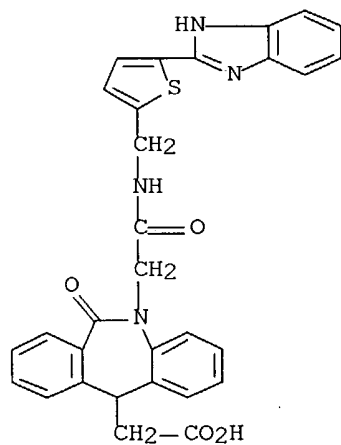
RN 326399-47-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
 [(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX
 NAME)



RN 326399-52-4 CAPLUS

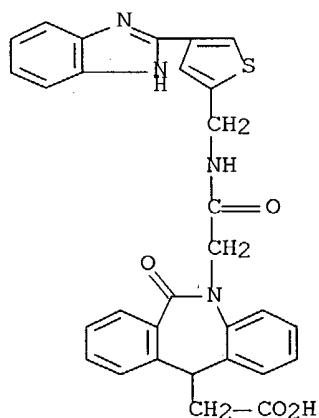
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-
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 NAME)



RN 326399-64-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
 2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
 (CA INDEX NAME)

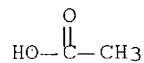
CM 1

CRN 326399-63-7
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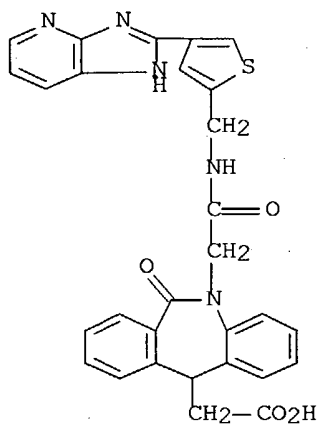


CM 2

CRN 64-19-7
 CMF C2 H4 O2

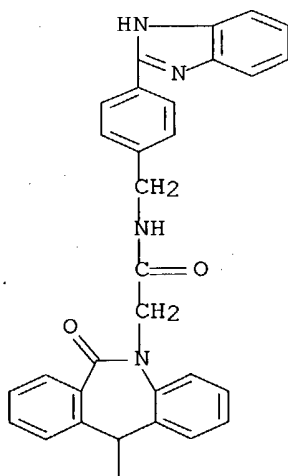


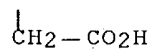
RN 326399-69-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-
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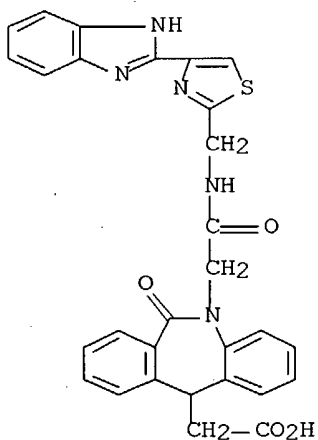
RN 326399-73-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,
 monohydrochloride
 (9CI) (CA INDEX NAME)

PAGE 1-A

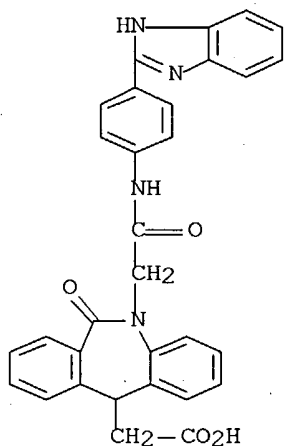




RN 326399-78-4 CAPLUS
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 NAME)



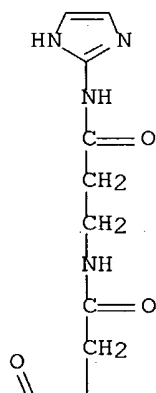
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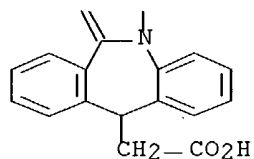


RN 326400-13-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

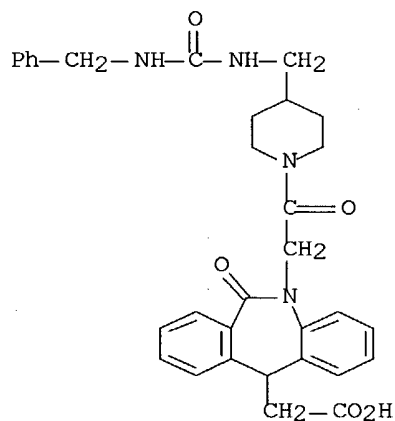




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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
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(9CI)

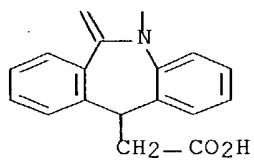
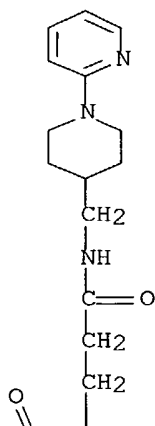
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RN 326400-23-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-
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(2-pyridinyl)-4-piperidinyl]methyl]amino]propyl]- (9CI) (CA INDEX NAME)



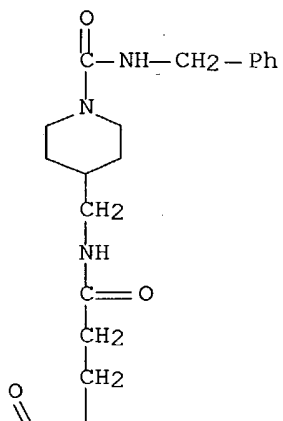
RN 326400-28-6 CAPLUS

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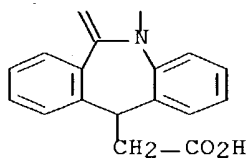
(9CI)

(CA INDEX NAME)

PAGE 1-A

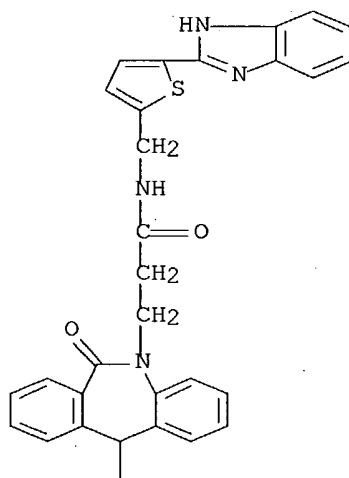


PAGE 2-A

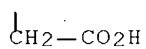


RN 326400-32-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[3-[[[5-(1H-benzimidazol-2-yl)-
2-
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NAME)

PAGE 1-A



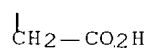
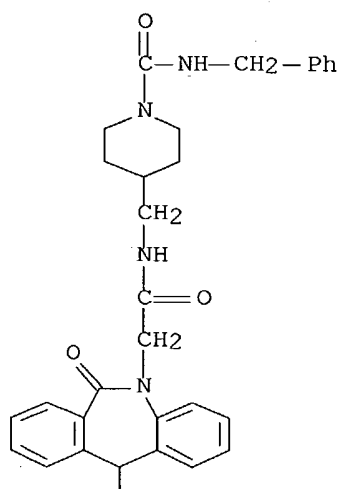
PAGE 2-A



RN 326400-41-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[1-

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(CA INDEX NAME)

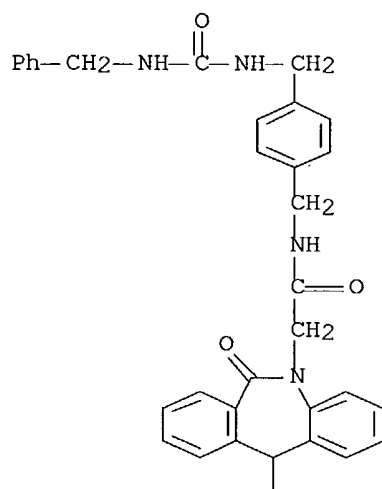


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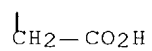
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PAGE 1-A

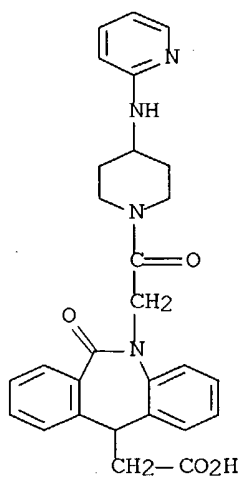


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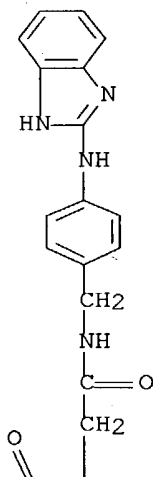
RN 326400-50-4 CAPLUS

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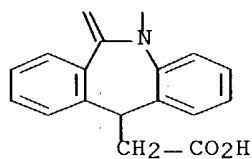


RN 326400-55-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

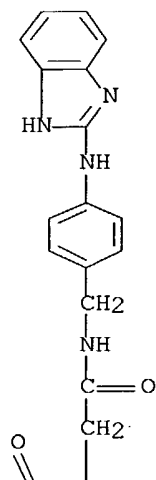


PAGE 2-A

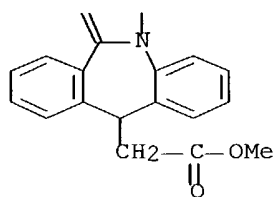


RN 326400-60-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A

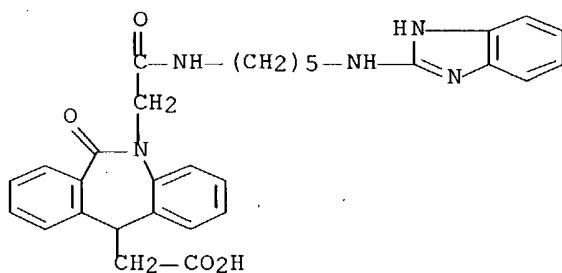


PAGE 2-A



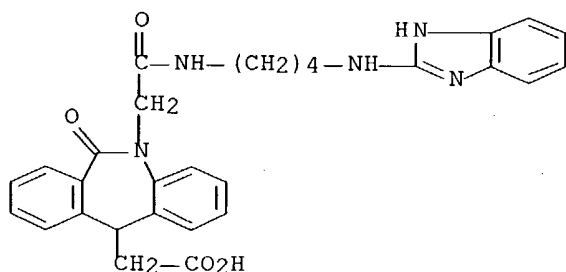
RN 326400-65-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



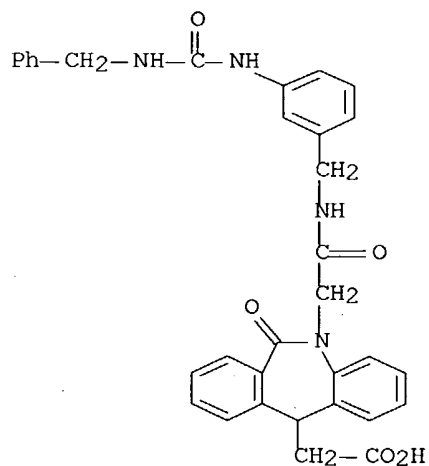
RN 326400-70-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-74-2 CAPLUS

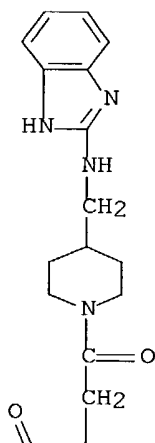
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)



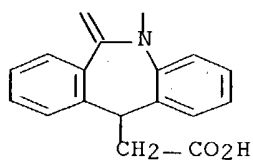
RN 326400-79-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1H-benzimidazol-2-ylamino)methyl]-1-piperidinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



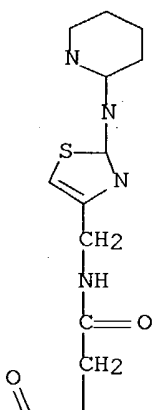
PAGE 2-A



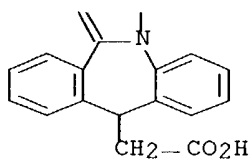
RN 326400-84-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[2-(2-pyridinylamino)-4-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)

PAGE 1-A



PAGE 2-A

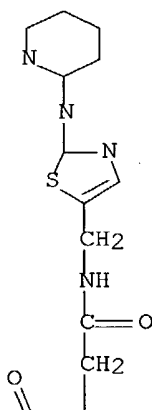


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

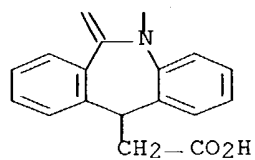
RN 326400-88-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[2-
(2-pyridinylamino)-5-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)

PAGE 1-A



PAGE 2-A



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE.

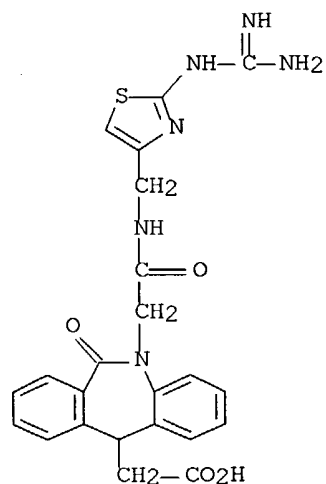
RN 326400-94-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
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4-thiazolyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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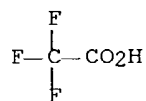
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CMF C23 H22 N6 O4 S

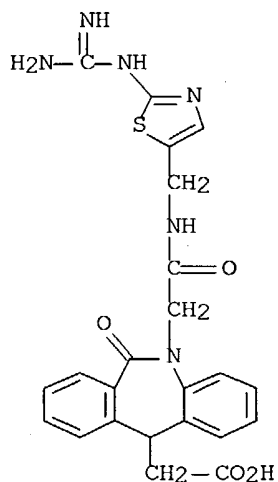


CM 2

CRN 76-05-1
CMF C2 H F3 O2

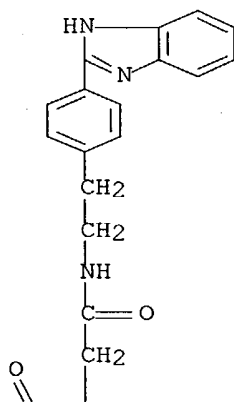


RN 326400-99-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-
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5-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA
INDEX
NAME)

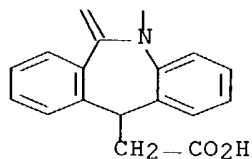


RN 326401-04-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

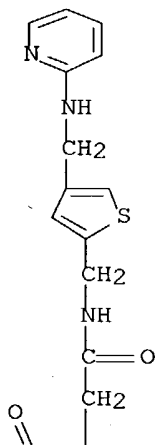


PAGE 2-A

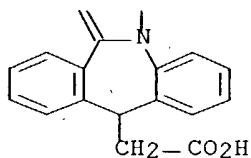


RN 326401-08-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[(2-pyridinylamino)methyl]-2-thienyl]methyl]amino]ethyl]- (9CI) (CA
INDEX
NAME)

PAGE 1-A

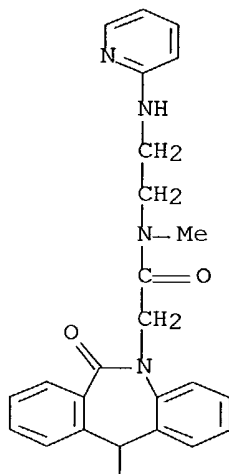


PAGE 2-A

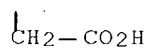


RN 326401-13-2 CAPLUS
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pyridinylamino)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



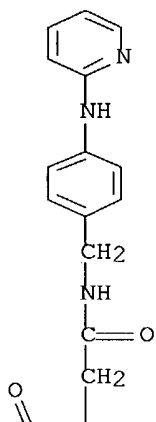
PAGE 2-A



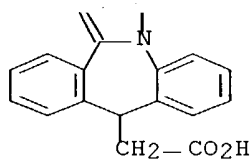
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-(2-pyridinylamino)phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



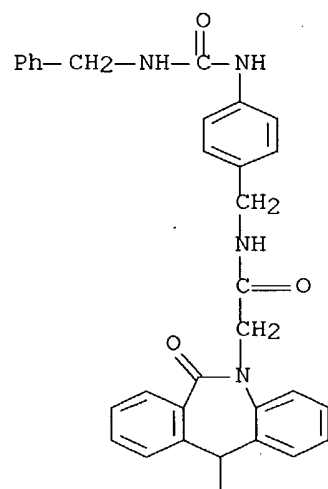
PAGE 2-A



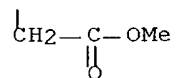
RN 326401-22-3 CAPLUS

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[[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
methyl
ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



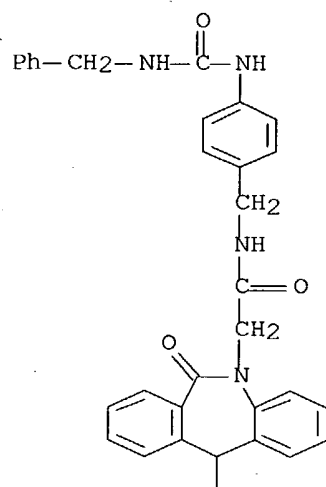
RN 326401-26-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[2-oxo-2-

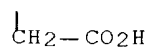
[[[4-

[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

PAGE 1-A

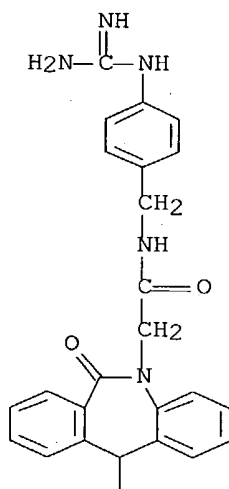


PAGE 2-A

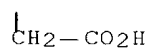


RN 326401-32-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
6- [(aminoiminomethyl) amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 326401-31-4
CMF C26 H25 N5 O4

PAGE 1-A



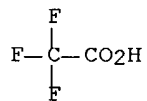
PAGE 2-A



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 326401-36-9 CAPLUS

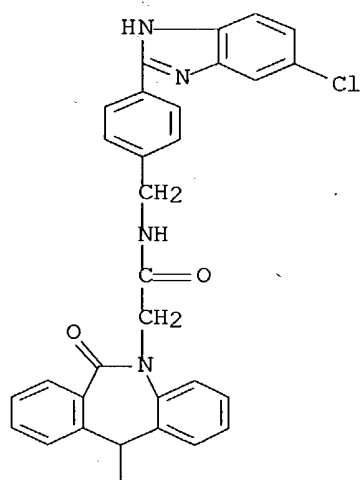
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-

2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA

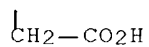
INDEX

NAME)

PAGE 1-A

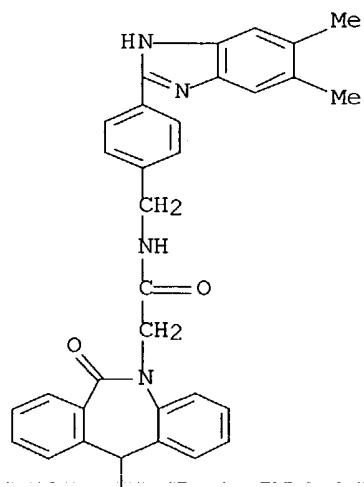


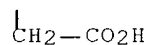
PAGE 2-A



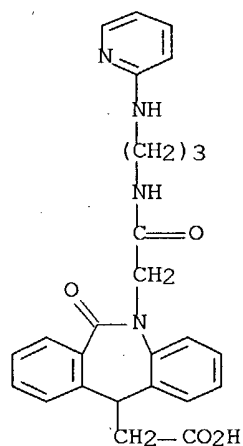
RN 326401-41-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)

PAGE 1-A



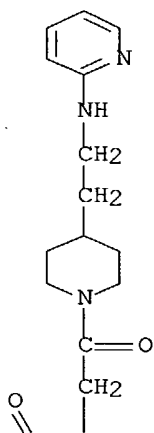


RN 326401-46-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[3-(2-pyridinylamino)propyl]amino]ethyl]- (9CI) (CA INDEX NAME)

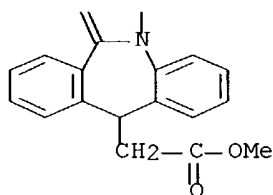


RN 326401-50-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

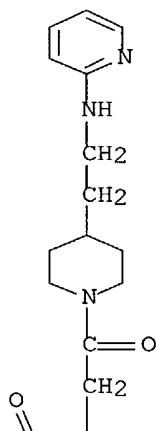


PAGE 2-A

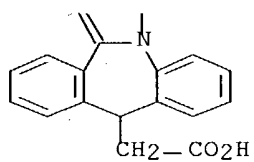


RN 326401-54-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
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(2-pyridinylamino)ethyl]-1-piperidinylethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

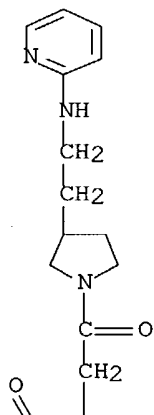


PAGE 2-A

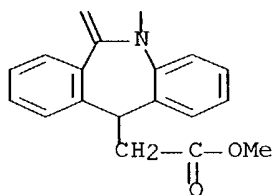


RN 326401-59-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



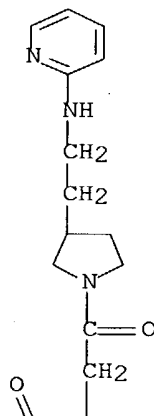
PAGE 2-A



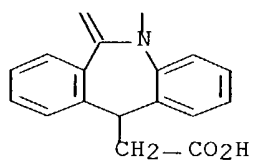
RN 326401-64-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[3-(2-pyridinylamino)ethyl]-1-pyrrolidinyl]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

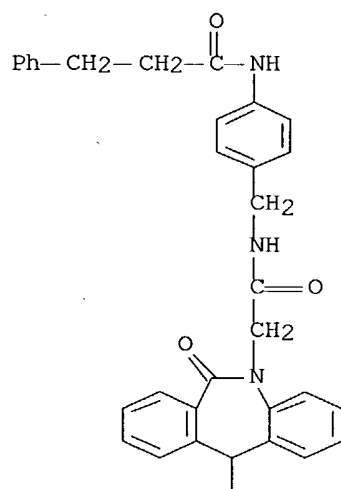


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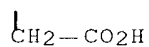
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-

[(1-oxo-3-phenylpropyl)amino]phenyl)methyl]amino]ethyl]- (9CI) (CA
INDEX
NAME)

PAGE 1-A



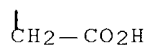
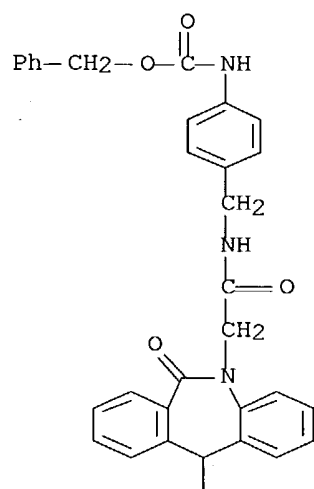
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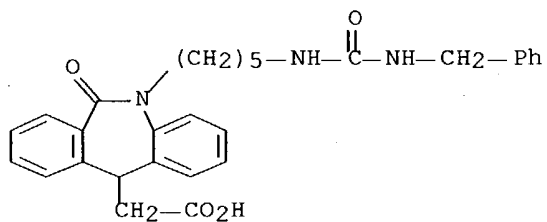
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-

[[(phenylmethoxy) carbonyl] amino] phenyl] methyl] amino] ethyl]- (9CI) (CA
INDEX NAME)

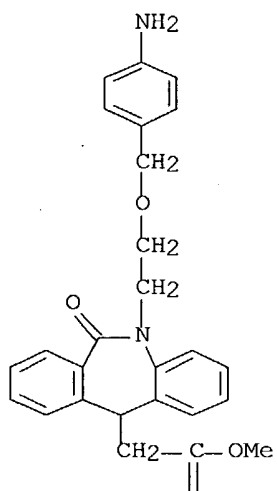


RN 326401-82-5 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[5-
 [[[(phenylmethyl) amino] carbonyl] amino] pentyl]- (9CI) (CA INDEX NAME)



RN 326401-87-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(4-
 aminophenyl)methoxy]ethyl]-
 6,11-dihydro-6-oxo-, methyl ester, monohydrochloride (9CI) (CA INDEX
 NAME)

PAGE 1-A

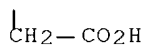
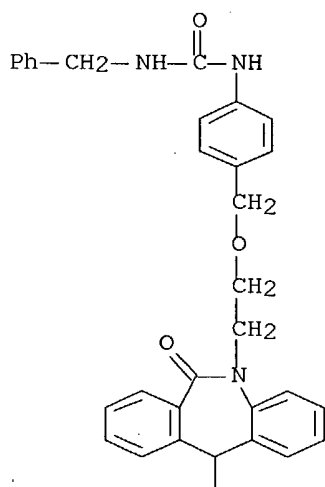


PAGE 2-A



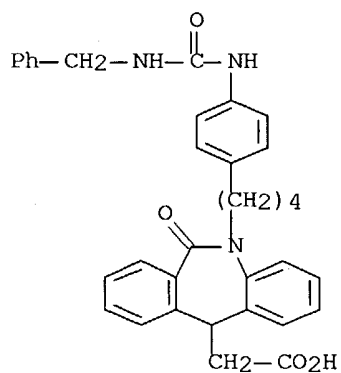
● HCl

RN 326401-92-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-
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 INDEX NAME)



RN 326401-97-2 CAPLUS

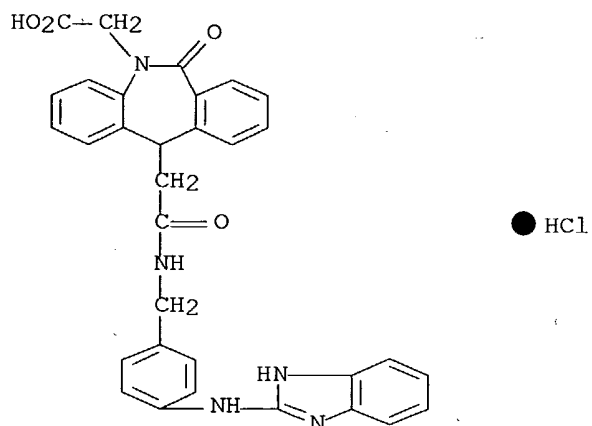
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-
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NAME)



RN 326402-02-2 CAPLUS

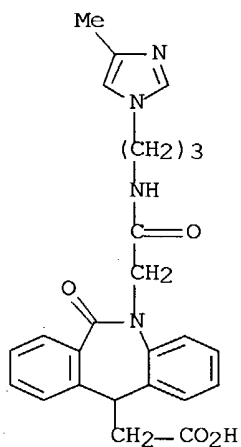
CN 5H-Dibenz[b,e]azepine-5-acetic acid, 11-[2-[[[4-(1H-benzimidazol-2-
ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-,

monohydrochloride (9CI) (CA INDEX NAME)



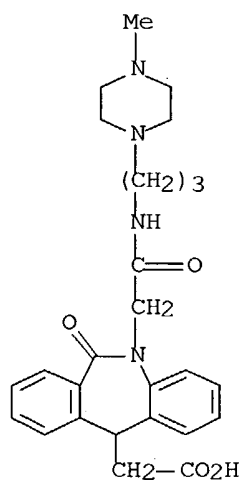
RN 326402-06-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[[3-(4-methyl-1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



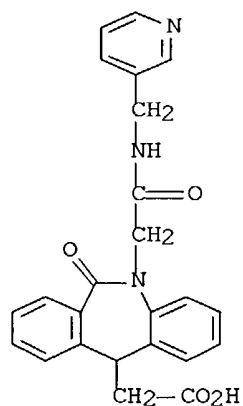
RN 326402-11-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[[3-(4-methyl-1H-piperazinyl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



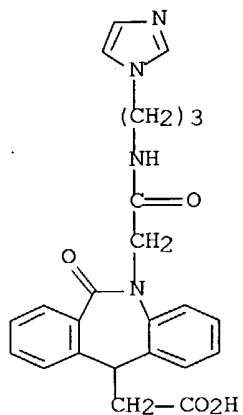
RN 326402-16-8 CAPLUS

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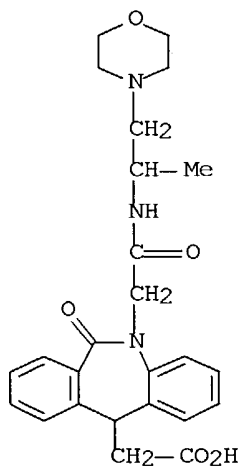
RN 326402-21-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



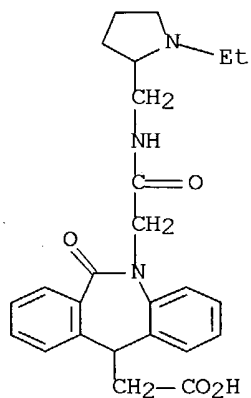
RN 326402-26-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[1-methyl-2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



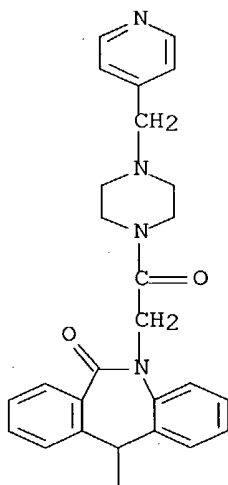
RN 326402-31-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[1-ethyl-2-pyrrolidinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

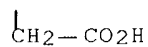


RN 326402-35-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-
 (4-pyridinylmethyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

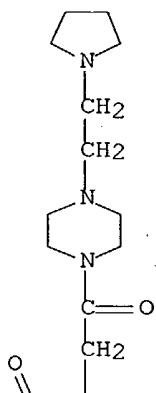


RN 326402-40-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-

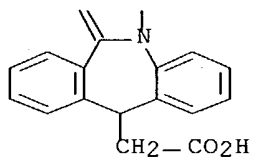
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(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

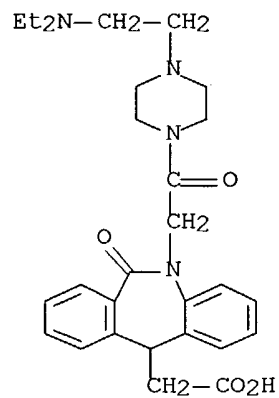


PAGE 2-A



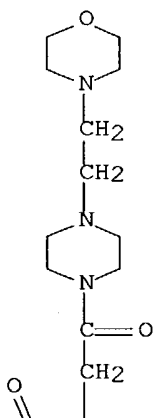
RN 326402-44-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

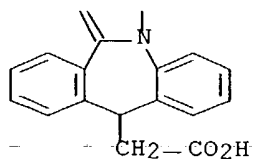


RN 326402-48-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[2-(4-morpholinyl)ethyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

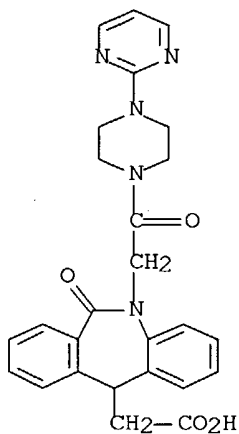


PAGE 2-A



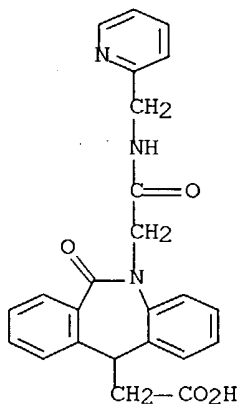
RN 326402-52-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyrimidinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



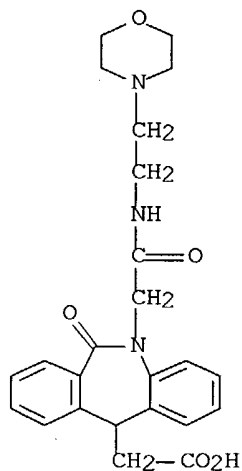
RN 326402-57-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

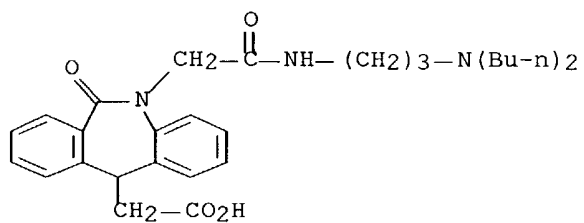


RN 326402-62-4 CAPLUS

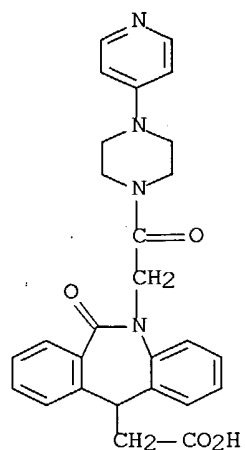
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-66-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[3-(dibutylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

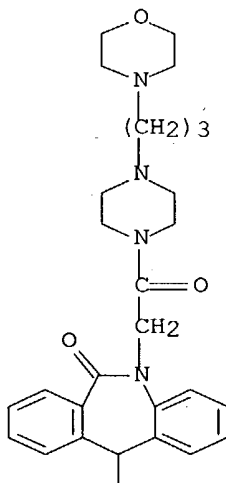


RN 326402-71-5 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-76-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[3-(4-morpholinyl)propyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

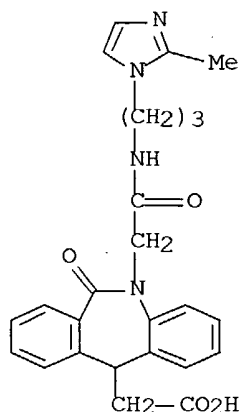


PAGE 2-A

CH₂-CO₂H

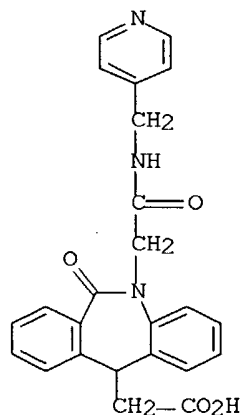
RN 326402-80-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(2-methyl-1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



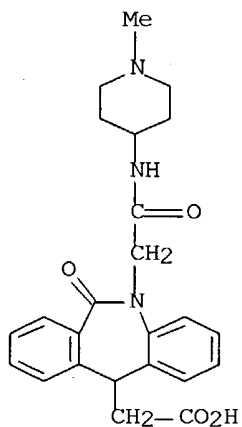
RN 326402-85-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(4-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

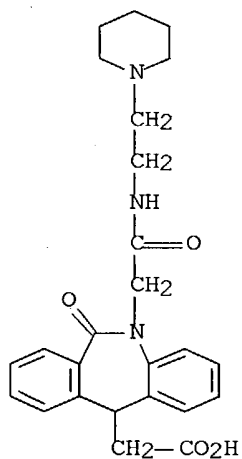


RN 326402-90-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1-methyl-4-piperidiny]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

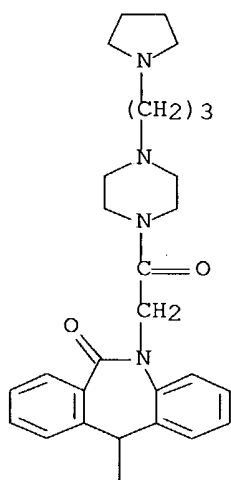


RN 326402-94-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-(1-piperidinyl)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

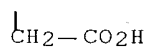


RN 326402-99-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(1-pyrrolidinyl)propyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

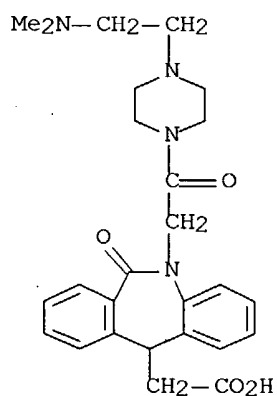
PAGE 1-A



PAGE 2-A



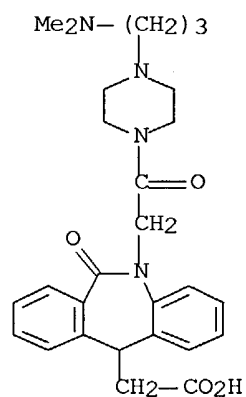
RN 326403-04-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dimethylamino)ethyl]-
 1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-08-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dimethylamino)propyl]-

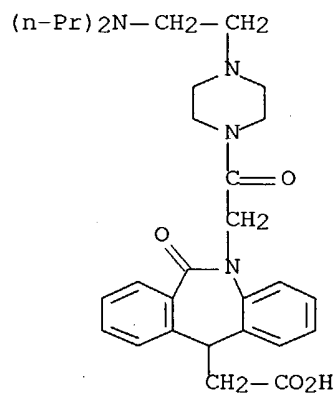
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piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326403-13-8 CAPLUS

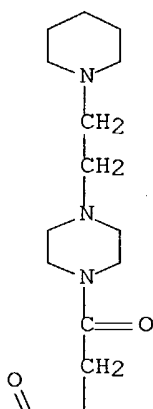
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dipropylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



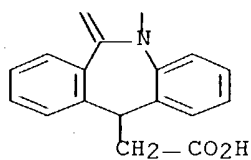
RN 326403-18-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(1-piperidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

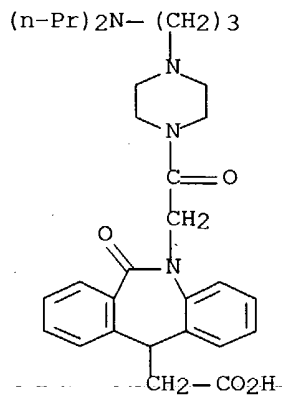
PAGE 1-A



PAGE 2-A

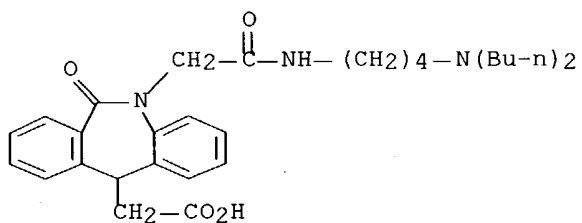


RN 326403-22-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dipropylamino)propyl]-
 1-
 piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



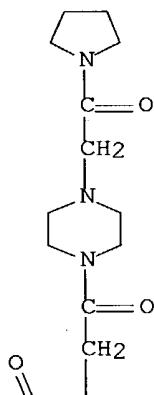
RN 326403-28-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dibutylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

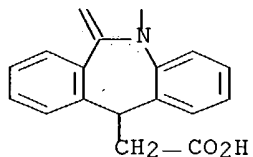


RN 326403-32-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-oxo-2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

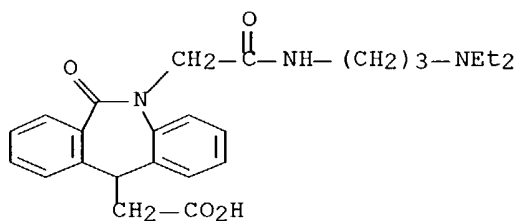


PAGE 1-A



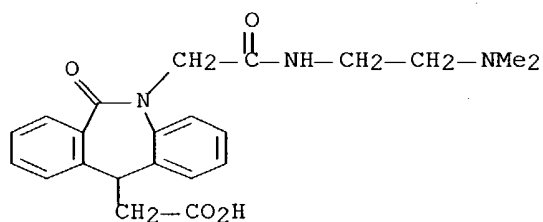
RN 326403-37-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[3-(diethylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME).



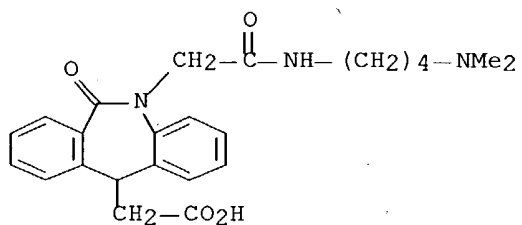
RN 326403-42-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



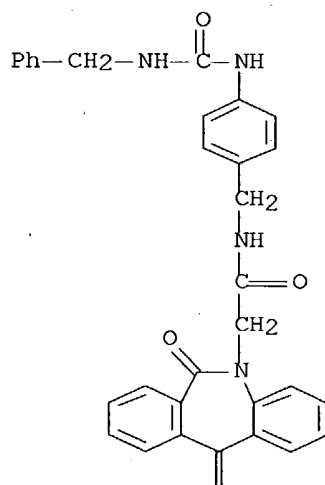
RN 326403-47-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dimethylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

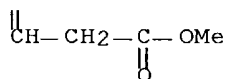


RN 326403-51-4 CAPLUS
 CN Propanoic acid, 3-[5,6-dihydro-6-oxo-5-[2-oxo-2-[[[4-
 [[[(phenylmethyl) amino] carbonyl] amino] phenyl] methyl] amino] ethyl]-11H-
 dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

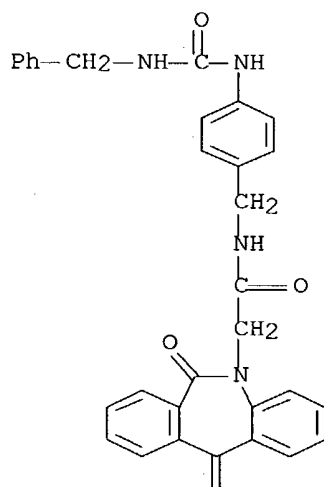


PAGE 2-A

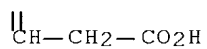


RN 326403-56-9 CAPLUS
 CN Propanoic acid, 3-[5,6-dihydro-6-oxo-5-[2-oxo-2-[[[4-
 [[[(phenylmethyl) amino] carbonyl] amino] phenyl] methyl] amino] ethyl]-11H-
 dibenz[b,e]azepin-11-ylidene]- (9CI) (CA INDEX NAME)

PAGE 1-A

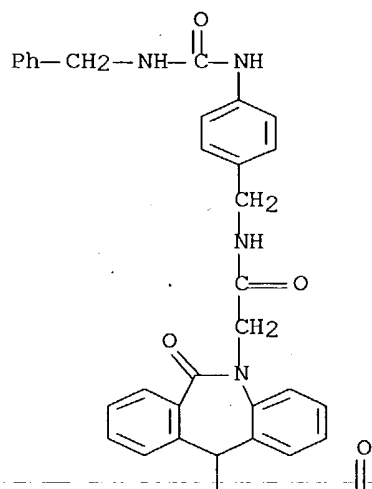


PAGE 2-A

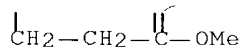


RN 326403-61-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-,
 methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

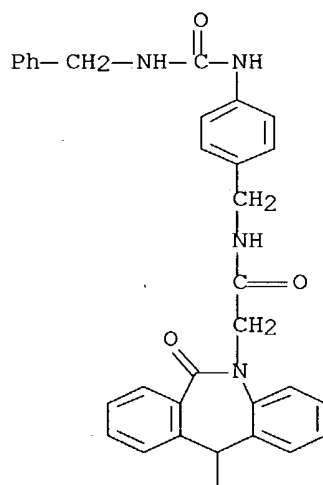


PAGE 2-A

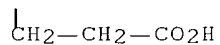


RN 326403-66-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]-
 (9CI) (CA INDEX NAME)

PAGE 1-A

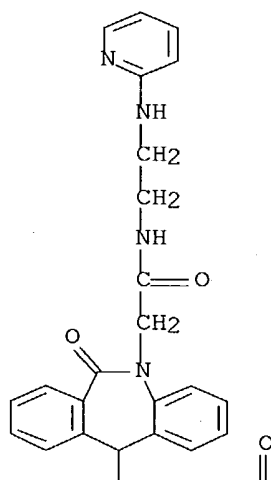


PAGE 2-A

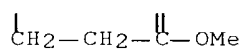


RN 326403-71-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[2-
 (2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX
 NAME)

PAGE 1-A



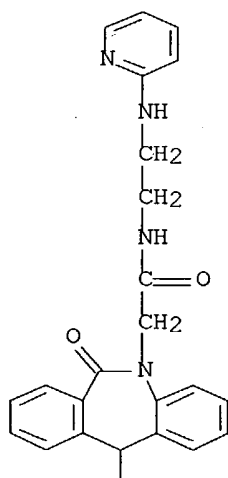
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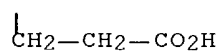
RN 326403-76-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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NAME)

PAGE 1-A

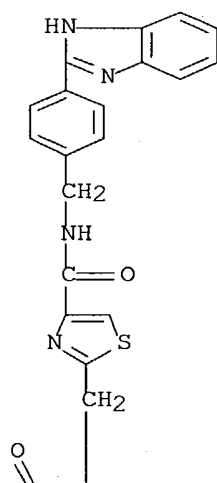


PAGE 2-A

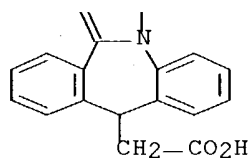


RN 326404-18-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[[4-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



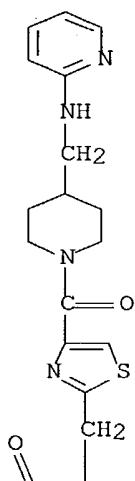
RN 326404-23-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[4-[(2-pyridinylamino)methyl]-1-piperidinyl]carbonyl]-2-thiazolyl]methyl]-

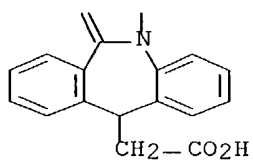
(9CI)

(CA INDEX NAME)

PAGE 1-A



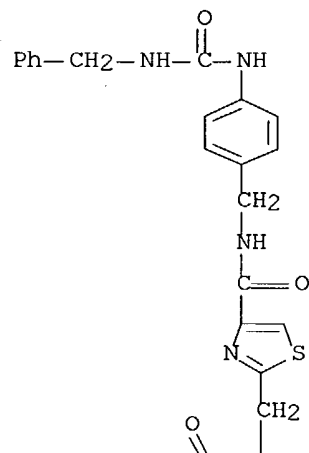
PAGE 2-A



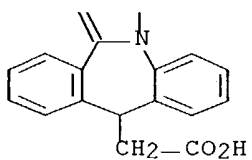
RN 326404-27-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



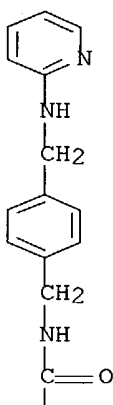
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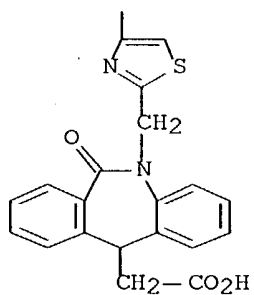
RN 326404-31-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[4-
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pyridinylamino)methyl]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-
(9CI) (CA INDEX NAME)

PAGE 1-A



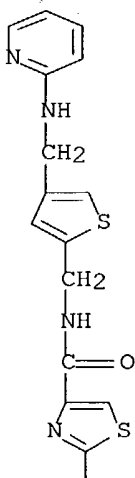
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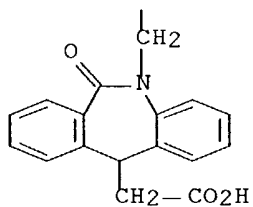
RN 326404-36-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[[4-
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pyridinylamino)methyl]-2-thienyl)methyl]amino]carbonyl]-2-
thiazolyl)methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



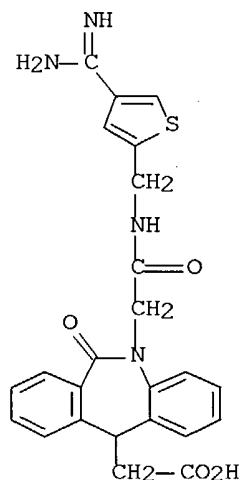
PAGE 2-A



RN 326471-39-0 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

CM 1

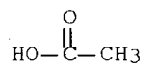
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CM 2

CRN 64-19-7

CMF C2 H4 O2

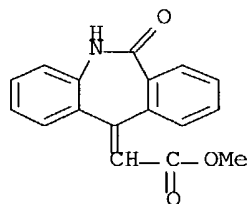


IT 90664-74-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of oxobenzazepinealkanoates and analogs as integrin
receptor antagonists)

RN 90664-74-7 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-,
methyl ester (9CI) (CA INDEX NAME)



IT 21607-74-9P 90664-75-8P 326404-40-4P
326404-44-8P 326404-49-3P 326404-53-9P
326404-66-4P 326404-70-0P 326407-41-4P
326407-57-2P 326407-61-8P 326407-89-0P
326407-94-7P 326407-99-2P 326408-04-2P
326408-08-6P 326408-13-3P 326408-23-5P
326408-28-0P 326408-33-7P 326408-41-7P
326408-46-2P 326408-54-2P 326408-59-7P
326408-63-3P 326408-68-8P 326409-96-5P
326410-02-0P 326410-07-5P 326410-52-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

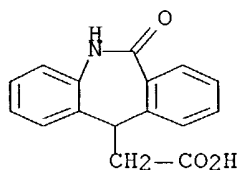
(Reactant or reagent)

(preparation of oxobenzazepinealkanoates and analogs as integrin

receptor
antagonists)

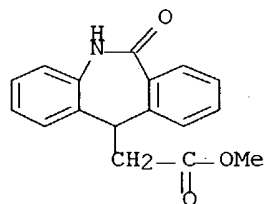
RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



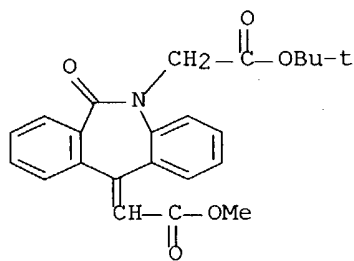
RN 90664-75-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



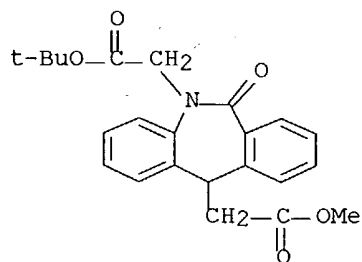
RN 326404-40-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(2-methoxy-2-oxoethylidene)-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

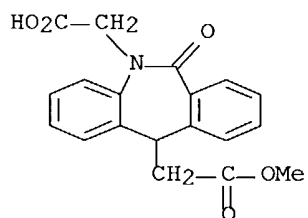


RN 326404-44-8 CAPLUS

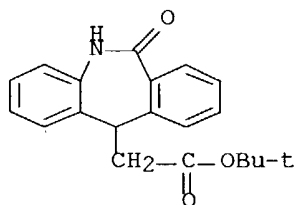
CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-, α5-(1,1-dimethylethyl) α11-methyl ester (9CI) (CA INDEX NAME)



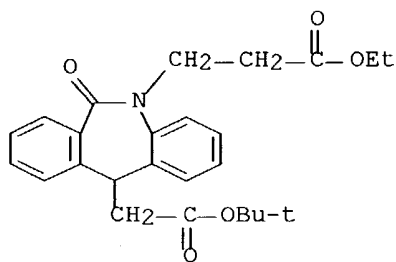
RN 326404-49-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-,
 11-methyl ester (9CI) (CA INDEX NAME)



RN 326404-53-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-,
 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

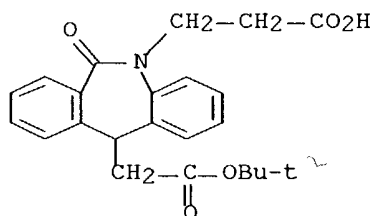


RN 326404-66-4 CAPLUS
 CN 5H-Dibenz[b,e]azepine-5-propanoic acid, 11-[2-(1,1-dimethylethoxy)-2-oxoethyl]-6,11-dihydro-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



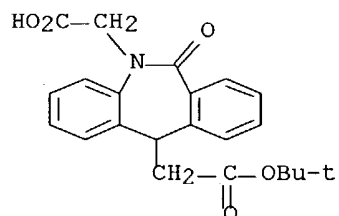
RN 326404-70-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-propanoic acid, 11-[2-(1,1-dimethylethoxy)-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



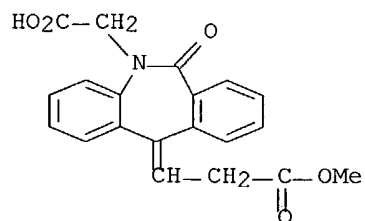
RN 326407-41-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-5,11-diacetic acid, 6,11-dihydro-6-oxo-, 11-(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

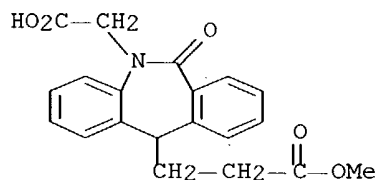


RN 326407-57-2 CAPLUS

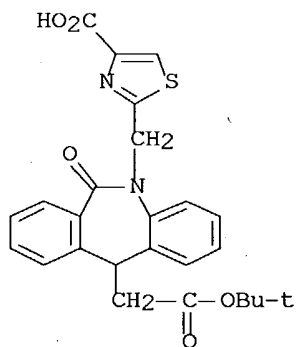
CN 5H-Dibenz[b,e]azepine-5-acetic acid, 6,11-dihydro-11-(3-methoxy-3-oxopropylidene)-6-oxo- (9CI) (CA INDEX NAME)



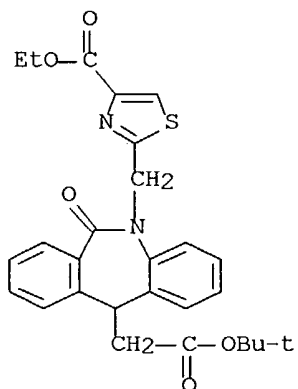
RN 326407-61-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 5-(carboxymethyl)-6,11-dihydro-6-oxo-, α -methyl ester (9CI) (CA INDEX NAME)



RN 326407-89-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[(4-carboxy-2-thiazolyl)methyl]-6,11-dihydro-6-oxo-, α -(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

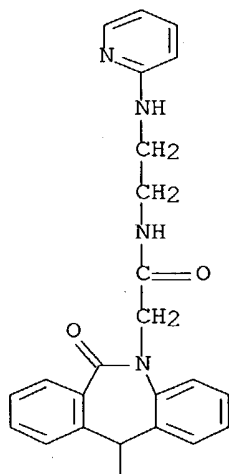


RN 326407-94-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[4-(ethoxycarbonyl)-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI)
 (CA INDEX NAME)

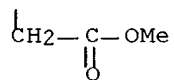


RN 326407-99-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-(2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

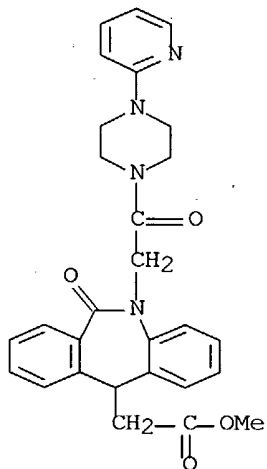
PAGE 1-A



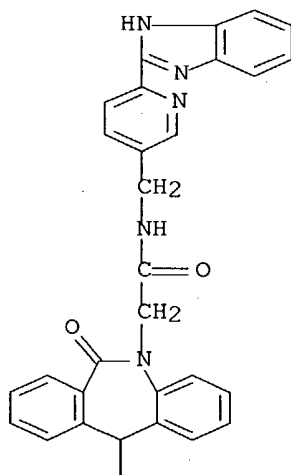
PAGE 2-A



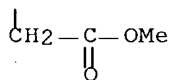
RN 326408-04-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 326408-08-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

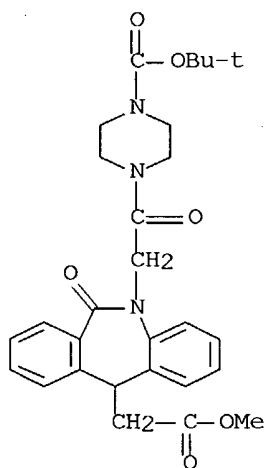


PAGE 1-A



RN 326408-13-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



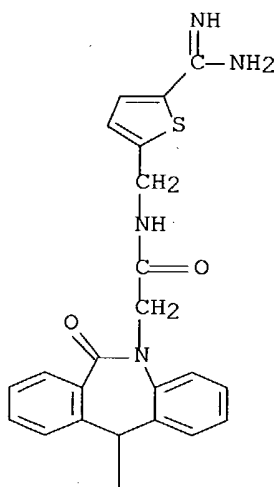
RN 326408-23-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminothioxomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI)
(CA INDEX NAME)

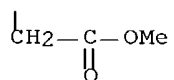
NC(=S)c1cc(CCN(C(=O)CC2c3ccccc2c3n2C(=O)c4ccccc42)c5ccccc52)cs1
$$\begin{array}{c} | \\ \text{CH}_2 - \text{C} - \text{OMe} \\ || \\ \text{O} \end{array}$$

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)
(CA INDEX NAME)

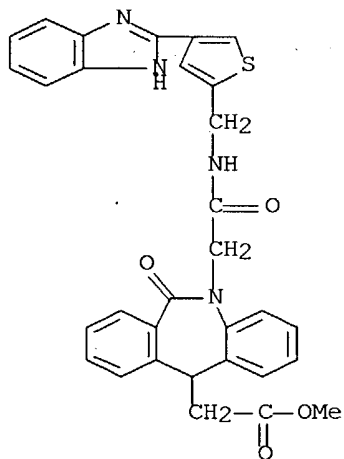
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PAGE 2-A



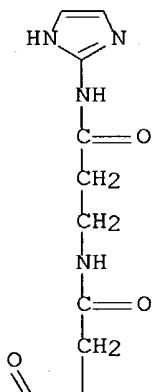
RN 326408-33-7 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)
(CA INDEX NAME)

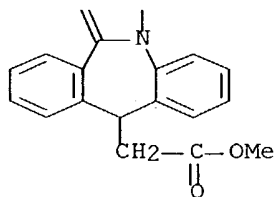


RN 326408-41-7 CAPLUS

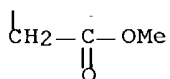
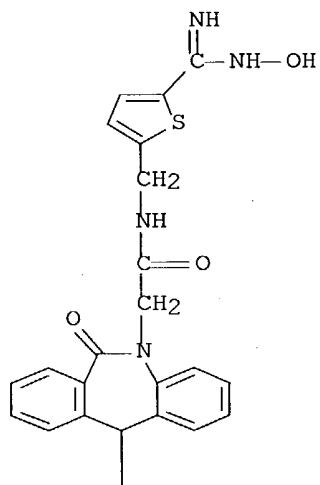
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

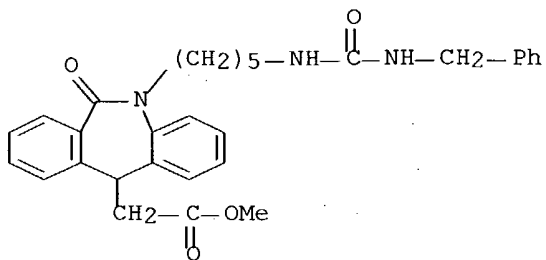




RN 326408-46-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[5-(hydroxyamino)iminomethyl]-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

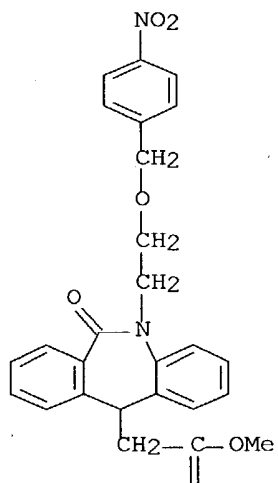


RN 326408-54-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[5-[[[(phenylmethyl)amino]carbonyl]amino]pentyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 326408-59-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(4-nitrophenyl)methoxy]ethyl]-6-oxo-, methyl ester, monohydrochloride (9CI)
 (CA INDEX NAME)

PAGE 1-A

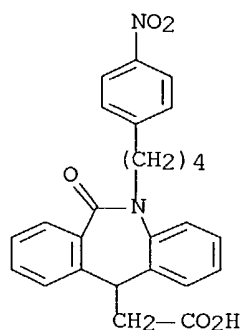


PAGE 2-A

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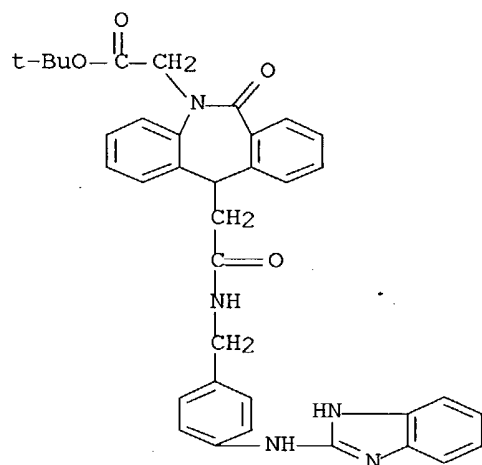
● HCl

RN 326408-63-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[4-(4-nitrophenyl)butyl]-6-oxo- (9CI) (CA INDEX NAME)



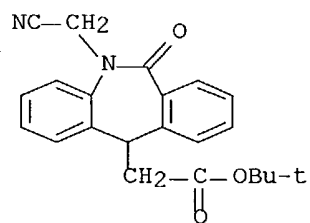
RN 326408-68-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-5-acetic acid, 11-[[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 326409-96-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-(cyanomethyl)-6,11-dihydro-6-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 326410-02-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-(1-piperazinyl)ethyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA

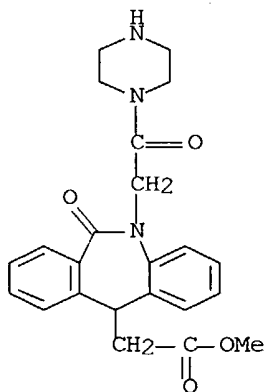
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NAME)

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CRN 326410-01-9

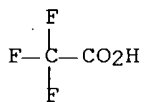
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CM 2

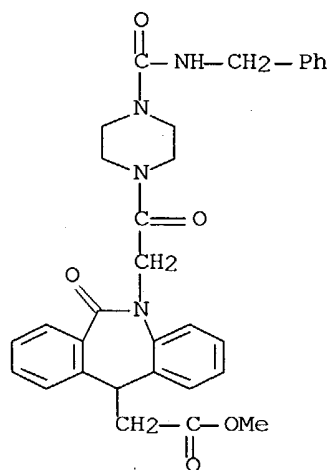
CRN 76-05-1

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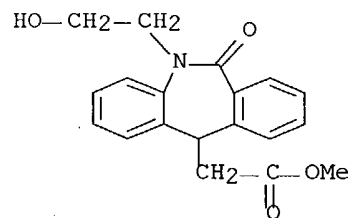
RN 326410-07-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
[[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl]-, methyl ester
(9CI)
(CA INDEX NAME)



RN 326410-52-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-(2-hydroxyethyl)-6-
oxo-, methyl ester (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1984:438368 CAPLUS Full-text

DN 101:38368

TI 5,6-Dihydro-11-H-morphanthridin-6-ones and drugs containing them

IN Steiner, Gerd; Friedrich, Ludwig; Lenke, Dieter

PA BASF A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 18 pp.

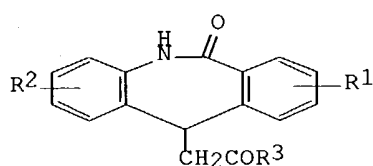
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DT Patent

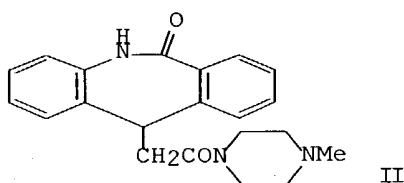
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3326641	A1	19840202	DE 1983-3326641	19830723
PRAI	DE 1982-3227934	A1	19820727		
GI					



I



II

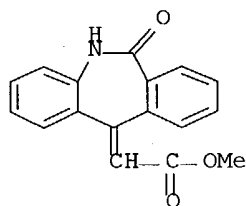
AB Morphanthridinones I [R1, R2 = H, halo, C1-3 alkyl, CF3; R3 = 1-piperazinyl with N4-(un)substituted by C1-3 alkyl, C2-3 hydroxyalkyl, or F-, Cl-, MeO-, or Me-(un)substituted Ph; R3 = C2-4 aminoalkyl, (methyl)morpholinoalkyl] and their physiol. tolerable acid addition salts, useful in treating illnesses accompanied by patholog. increased stomach secretion, e.g., stomach and duodenal ulcers (no data), were prepared Thus, hydrogenating 11-(carbomethoxymethylene)-5,6-dihydromorphanthridin-6-one over 10% Pd/C in MeOH gave 94% 11-(carbomethoxymethyl) analog, which was saponified in refluxing aqueous ethanolic NaOH to give 96% cis,trans-11- (carboxymethyl) analog. This was converted with SOCl2 into 99% acid chloride, which reacted with 1-methylpiperazine to give 80% amide II.

IT 90664-74-7

RL: RCT (Reactant); RACT (Reactant or reagent) (hydrogenation of)

RN 90664-74-7 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, methyl ester (9CI) (CA INDEX NAME)

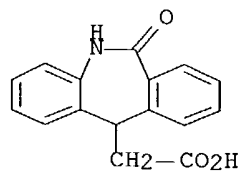


IT 21607-74-9P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and conversion into acid chloride)

RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

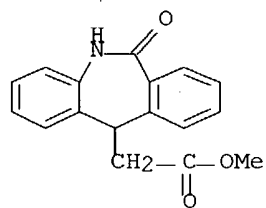


IT **90664-75-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (preparation and saponification of)

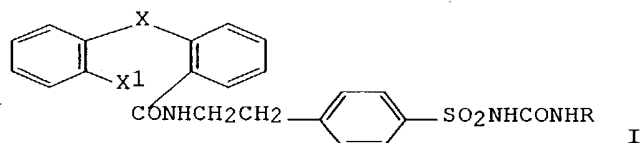
RN 90664-75-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)



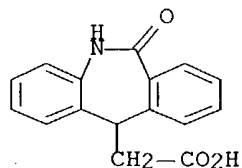
L11 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1976:180092 CAPLUS Full-text
 DN 84:180092
 TI Sulfonylureas and sulfonyl semicarbazides with antidiabetic action
 IN Winter, Werner; Fauland, Erich; Stach, Kurt; Schmidt, Felix Helmut;
 AumueUler, Walter
 PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
 SO Ger., 8 pp.
 CODEN: GWXXAW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1618112	A	19720510	DE 1967-B91627	19670315
	DE 1618112	B2	19750612		
	DE 1618112	C3	19760212		
	US 3646009	A	19720229	US 1968-711840	19680311
	GB 1153130	A	19690521	GB 1968-1153130	19680313
	CH 516535	A	19711215	CH 1968-516535	19680313
	CH 516541	A	19711215	CH 1968-516541	19680313
	CH 516542	A	19711215	CH 1968-516542	19680313
	NL 6803656	A	19680916	NL 1968-3656	19680314
	AT 281052	B	19700525	AT 1968-2545	19680314
	AT 281061	B	19700525	AT 1969-5843	19680314
	AT 281062	B	19700525	AT 1969-5844	19680314
	AT 281063	B	19700525	AT 1969-5845	19680314
	FR 1556173	A	19690131	FR 1968-1556173	19680315
	US 3752851	A	19730814	US 1971-182516	19710921
PRAI	DE 1967-B91627	A	19670315		
	US 1968-711840	A3	19680311		
GI					



AB Sulfonylureas I (X=CH₂CH₂, CH=CH, OCH₂, SCH₂, O, S, bond; X₁=:CH, :CHCH₂, :C:CH; R = cycloalkyl, hexamethylenimino, substituted piperidino, tetrahydrothiopyranyl) (34 compds.) were prepared e.g. by treating the carbamates with RNH₂. I had 12-16,000 times the antidiabetic activity of 4-H₂NC₆H₄SO₂NHCONHBu.

IT **21607-74-9P**
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 21607-74-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



L11 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1969:96656 CAPLUS Full-text

DN 70:96656

TI Oxepin and thiepin derivatives of acetamide

IN Winter, Werner; Thiel, Max; Stach, Kurt; Schaumann, Wolfgang;

Ribbentrop,

Annemarie

PA Boehringer, C. F., und Soehne G.m.b.H.

SO S. African, 18 pp.

CODEN: SFXXAB

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	ZA 6707555		19680425		
	DE 1568217			DE	
	FR 1547207			FR	
	GB 1144829			GB	
PRAI	DE		19661216		
AB	<p>A mixture of 25.4 g. 6,11-dihydrodibenz[b,e]oxepin-11-ylideneacetic acid, m. 114-15°, and 40 ml. SOCl₂ was refluxed 2 hrs., evaporated, the residue in Et₂O mixed with 50 ml. NH₃, and the mixture kept overnight and worked up to give 79% 11-carboxamidomethylene-6,11-dihydrodibenz[b,e]oxepin (I), m. 205° (iso-PrOH). Analogously prepared were 82% 5-carboxamidomethyl- 10,11-dihydro-5H-dibenzo[a,d]cycloheptene (II), m. 137-8°; 5-carboxamidomethylene-5H-dibenzo[a,d]cycloheptene (III), m. 144-5°; 81% 5-carboxamidomethyl analog of III, m. 207-8°; 80% theipin analog of I, m. 209-10°; 78% 11-carboxamidomethyl-6,11-dihydrodibenzo[b,e]thiepin, m. 194-5°; 72% 12-carboxamidomethylene-7,12-dihydro-6H-dibenzo[b,e]-thiocin, m. 171-3°; 78% 11-carboxamidomethylene-2-methyl-6,11-dihydrodibenz[b,e]oxepin, m. 202°; 11-carboxamidomethyl-2-methyl-6,11-dihydrodibenz[b,e]oxepin, m. 146°; and 42% trans - 11 - (1 -carboxamidoethylidene) - 6,11 - dihydrodibenz[b,e] - oxepin, m. 188-9° (iso-PrOH-ligroine) (cis isomer m. 218-19°, 31%). A solution of 25.3 g. I in 100 ml. tetrahydrofuran was treated with 25.3 g. granular Hg-Al, mixed dropwise with 50 ml. H₂O, and the mixture kept overnight and worked up to give 86% 11-carboxamidomethyl-6,11-dihydrodibenz[b,e]oxepin, m. 140-1° (iso-PrOH). A mixture of 23.1 g. 5-cyanomethylene-10,11-dihydro-5H-dibenzo[a,d]cycloheptene and 23.1 g. KOH in a mixture of 100 ml. each of H₂O and alc. was refluxed 4 hrs. and worked up to give 85% 5-carboxamidomethylene analog of II, m. 166-7°. III was prepared in this manner also. A solution of 2.7 g. Na in 20 ml. MeOH and 20 ml. HCONMe₂ (DMF) was added to a mixture of 5,6-dihydromorphanthridine-6,11-dione, 14.6 g. di-Et acetamidophosphonate, and 200 ml. DMF, and the mixture stirred 2 hrs. and worked up to give 60% 11-carboxamidomethyl-ene-5,6-dihydromorphanthridin-6-one, m. 315-18° (aqueous DMF). Also obtained was 5-methyl-11-carboxamidomethylene-5,6-di-hydromorphanthridin-6-one, m. 250-2° (EtOH). 5,6-Dihydro-morphanthridin-6-one-11-acetyl chloride (IV) (8 g.) in 50 ml. C₆H₆ was stirred with 200 ml. concentrated aqueous NH₃ to give 72% corresponding amide, m. 254-5°. A mixture of 11.5 g. 5,6-dihydro-morphanthridine-6,11-dione and 16.8 g. di-Et carbethoxymethyl-phosphonate in 200 ml. DMF was stirred with a solution of 2.7 g. Na in 20 ml. MeOH and 20 ml. DMF 2 hrs. and worked up, neutralized with HOAc, poured into H₂O, and filtered to give 75% 11-carbethoxymethylene-5,6-dihydromorphanthridin-6-one, m. 154-5° (iso-</p>				

PrOH). A solution of 9 g. of this in 200 ml. MeOH was hydrogenated over Raney Ni at atmospheric pressure to give 77% 11-carbethoxymethyl analog, m. 150-1° (iso-PrOH). Saponification of this gave the corresponding acid, m. 267-8° reaction of which with (COCl)₂ at ambient temperature gave IV. The subject compds. possess muscle relaxing, tranquilizing, and anticonvulsive activity.

IT **21607-74-9P**

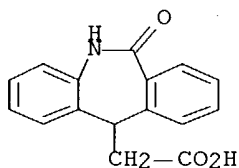
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA

INDEX

NAME)



L11 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1969:68204 CAPLUS Full-text

DN 70:68204

TI Antidiabetic sulfonylureas and sulfonylsemicarbazides

IN Winter, Werner; Fauland, Erich; Stach, Kurt; Schmidt, Felix Helmut;
AumueUeller, Walter

PA Boehringer, C. F., und Soehne G.m.b.H.

SO S. African, 28 pp.

CODEN: SFXAB

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 6801636		19680812		
	DE 1618112			DE	
	FR 1556173			FR	
	GB 1153130			GB	
	US 3646009		19720000	US	
	US 3752851		19730000	US	
PRAI	DE		19670315		

AB A solution of 4.5 g. p-[2-[2-(fluoren-9-yl)acetylaminol]ethyl]phenylsulfonylcarbamate acid Et ester, 100 ml. anhydrous PhMe, and 10 ml. HCONMe₂ was added to 1.3 g. 4-methylcyclohexylamine at 80°, the mixture boiled 15 min., cooled, and shaken with 300 ml. 0.2N NaOH, the precipitate suction-filtered off, washed with ether, and dissolved in 1:1 acetone-H₂O, the solution diluted with H₂O and acidified to pH 5.5 by addition of dilute HCl to give 74% I (Y = bond line, X = CHCH₂, R = 4-methylcyclohexyl (Q)), m. 198-9° (MeOH). Similarly prepared I were (Y, X, R, % yield, and m.p. given): bond line, CHCH₂, 4,4-dimethylpiperidino (Z), 58, 163-4°; bond line, CHCH₂, 4-methylpiperidino (A), 76, 132-3°; CH₂O, C:CH, Z, 53, 183-4°; CH₂O, C:CH, Q, 65, 216-17°; CH₂O, CHCH₂, Q, 65, 216-17°; CH₂O, CHCH₂, Z, 44, 202-3°; O, CHCH₂, Q, 48, 208-10°; O CHCH₂, A, 45, 128-30°; CH₂O, C:CM_e, Q, 42, - (K salt m. 161-3°); S, CHCH₂, Z, 55, - [K salt m. 172-4° (decomposition)]; bond line, CHCH₂, bicyclo[2.2.1]hept-2-yl, 58, 191-3°; bond line, CHCH₂, cyclooctyl, 52, 192-3°; bond line, CHCH₂, 1-adamantyl, 64, 201-2°; bond line, CHCH₂, 1-cycloheptyl, 49, 178-80°. A mixture of 4 g. p-[2-(2-(6,11-dihydrodibenz[b,e]-oxepin-11-yl)acetylaminol)ethyl]benzenesulfonamide and 2.5 g. ground K₂CO₃ in 100 ml. acetone was boiled and stirred 30 min., 1.5 g. cyclohexyl isocyanate added dropwise, the mixture refluxed and stirred 2 hrs., solvent distilled, residue taken up in H₂O, clarified with charcoal, and filtered, and the filtrate acidified with dilute HCl to precipitate 66% I [Y = CH₂O, X = CHCH₂, R = cyclohexyl (E)], m. 201-2° (alc.). Similarly prepared are: I (Y = CH₂O, X = CHCH₂, R = Bu), m. 154-5°, and I (Y = bond line, X = C:CH, R = E), m. 199-200° from p-[2-(fluoren-9-ylidene)-acetylaminol]ethyl]benzenesulfonamide, m. 215-16°. 3-[p-(2-Aminoethyl)phenylsulfonyl]-1-cyclohexylurea (6.5 g.; m. 211-12°) was suspended in 75 ml. pyridine and mixed with 5 g. xanthene-9-carboxylic acid chloride, the mixture kept 48 hrs., solvent distilled in vacuo, residue digested in dilute HCl, the solid filtered off by suction, washed with water, and purified by dissoln. in 0.2N NaOH and reprecipn. with dilute HCl to give 81% I (Y = O, X = CH, R = E), m. 218-20° (MeOH). Similarly prepared were: I (Y = CH₂CH₂, X = CH, R = E), m. 202-3°, and I (Y = CH₂S, X = CHCH₂, R = A), m. 222-3°, from p-(H₂NCH₂CH₂)C₆H₄SO₂NHCONHA, m. 210-12°, and 6,11-

dihydrodibenzo[b,e]thiepin-11-ylacetyl chloride. A mixture of 4.5 g. p-[2-(2-(thiaxanthen-9-yl)acetyl amino)ethyl]benzenesulfonamide and an equimolar amount NaH in 20 ml. HCONMe₂ was stirred 10 min., 2.0 g. pyrocarbonic acid diethyl ester added, the mixture kept 10-15 min., and 0.36 g. HCl in absolute EtOH added to give a solution of p-[2-(2-(thiaxanthen-9-yl)acetyl amino)ethyl]-phenylsulfonylcarbamic acid Et ester. To this solution was added 1.4 g. 4-methylcyclohexylamine in 100 ml. PhMe, the mixture boiled 25 min., cooled, and shaken with 0.2N NaOH, and dilute HCl added to precipitate 55% I (Y = S, X = CHCH₂, R = Q), m. 198-9° (MeOH). Similarly prepared were I (Y, X, R, % yield, and m.p. given): S, CHCH₂, Z, 48, 175-6°; bond line, C:CH, A, 63, 155-6°; CH₂S, C:CH, Q, 70, 189-90°; CH₂S, C:CH, A, 74, 210-11°; bond line, C:CH, Q, 72, 210-12°; CH:CH, CHCH₂, Q, 67, 174-5°; bond line, NCH₂, E, 64, 196-8°; bond line, NCH₂, Q, 73, 198-200°; bond line, NCH₂, A, 58, 154-6°; bond line, NCH₂CH₂, Q, 63, 206-8°; CH₂CH₂, C:CH, Q, 51, 194-5°; CH₂CH₂, CHCH₂, Q, 63, 204-6°; CH₂S, CHCH₂, Q, 51, 153-5°; CH₂S, CHCH₂, Z, 50, 226-8°; CH₂O, CHCH₂, A, 48, 198-200°; bond line, CH, A, 62, 172-3°; bond line, CHCH₂CH₂, E, 60, 207-8°; bond line, CHCH₂CH₂, Q, 59, 210-12°; bond line, CHCH₂CH₂, Z, 52, 156-8°. Similarly prepared II were (Y, X, R, R₁, R₁, % yield, and m.p. given): CH₂O, CHCH₂, Q, MeO, H, 67, 172-4°; CH₂O, CHCH₂, Q, Me, H, 56, 179-80°; CH₂O, CHCH₂, Q, Cl, H, 72, 210-12°; bond line, CHCH₂, Q, H, Me, 75, 202-3°; bond line, CHCH₂, Q, H, MeO, 58, 168-9°; bond line, CHCH₂, Q, H, Cl, 69, 218-20°. Similarly prepared was 71% 1-(4-methylcyclohexyl)-3-[p-(2-(2-(6,7-dihydro-12H-dibenzo[b,e]thiocin-12-yl)acetyl amino)ethyl)-phenylsulfonyl]urea, m. 184-6°. Similarly prepared I from the Na salt of p-[2-(2-(fluoren-9-yl)acetyl amino)ethyl]benzenesulfonamide were (Y, X, R, % yield, and m.p. given): bond line, CHCH₂, 4-methoxycyclohexyl, 61%, 196-7°; bond line, CHCH₂, tetrahydrothiapyran-4-yl, 53, 221-2°; bond line, CHCH₂, 4,4-dimethylcyclohexyl, 67, 197-8°; bond line, CHCH₂, 2-phenylethyl, 55, 186-7°; bond line, CHCH₂, E, 54, 205-5°. Similarly prepared was 72% 1,1-hexamethylene-4-[p-(2-(2-(fluoren-9-yl)-acetyl amino)ethyl)phenylsulfonyl]semicarbazide, m. 110-12°. To prepare the acylaminoethylbenzenesulfonamides, 1 mole of the carboxylic acid chloride in question, dissolved in CH₂Cl₂, was added dropwise with stirring to a solution of 1 mole p-(H₂NCH₂CH₂)-C₆H₄SO₂NH₂, and 2 moles Na₂CO₃ in H₂O, the mixture stirred 1-2 hrs., dilute NaOH and H₂O added to pH 10-11, CH₂Cl₂ separated, and dilute HCl added to pH 8.8 to precipitate product which can be recrystd. from dilute alc. or 10:1:6 alc.-HCONMe₂-H₂O. To prepare the acylaminoethylphenylcarbamic acid Et esters, 1 mole of the acylaminoethylbenzenesulfonamide was dissolved in HCONMe₂, mixed with 1 mole NaH, cooled, stirred 20 min., 1.2 mole pyrocarbonic acid diethyl ester added, the mixture heated and stirred at 60°, after cessation of CO₂ evolution, the solvent vacuum distilled, the residue dissolved in H₂O, and dilute HCl added to pH 2-4 to precipitate product which may be recrystd. from alc. III and IV prepared were [Y, X, m.p. III, m.p. IV (R = H), and m.p. IV (R = CO₂Et) given]: bond line, C:CH, 229-31°, 215-16°, -; bond line, CHCH₂, 139-41°, 207-9°, 135-6°; O, CHCH₂, 158-9°, 236-8°, 162-4°; S, CHCH₂, 170-1°, 208-9°, 137-9°; CH₂O, C:CH, 185-6°, 238-9°, 196-7°; CH₂O, CHCH₂, 117-19°; 178-9°, -; CH₂O, C:Me, 178°, -, 128-30°; CH₂S, C:CH, 179-81°, 210-12°, -; CH₂S, CHCH₂, 208-9°, 167-9°, -; CH:-CH, CHCH₂, 167-8°, 197-8°, -; CH₂CH₂, CHCH₂, 162-4°, 194-5°, -; CH₂CH₂, C:CH, 167-8°, 197-8°, -; bond line, NCH₂, 215°, 254-5°, -; bond line, NCH₂CH₂, 166-8°, 173°, -; bond line, CH, 218-20°, 234-6°, -; bond line, CHCH₂CH₂, 145-6°, 186-8°, -. V and VI prepared were (Y, X, R₁, R₂, m.p. V, and m.p. VI given): bond line, CHCH₂, H, Me, 126-7°, 210-11°; bond line, CHCH₂, H, MeO, 170-1°, 158-60°; bond line,

CHCH₂, Cl, H, -, 212-13°; CH₂O, CHCH₂, MeO, H, 119-20°, 138-40°; CH₂O, CHCH₂, Me, H, 110-11°, 169-70°; CH₂O, CHCH₂, Cl, H, 211-12°, 190-2°.

Similarly prepared were: 6,7-dihydro-12H-dibenzo[b,e]thiocin-12-ylacetic acid, m. 193°, p-[2-(2-(6,7-dihydro-12H-dibenzo[b,e]thiocin-12-yl)acetyl)amino]ethylbenzenesulfonamide, m. 163-5°, 6,7-dihydro-12H-dibenzo-[b,e]thiocin-12-ylideneacetic acid, m. 200-2°, and 6-oxo-5,6-dihydro-11H-dibenz[b,e]azepin-11-ylacetic acid, m. 267-8°.

IT **21607-74-9P**

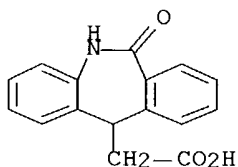
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 21607-74-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo- (9CI) (CA

INDEX

NAME)



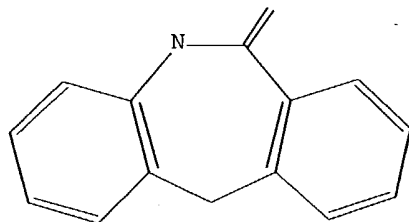
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L8 STR

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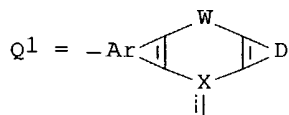
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electer group

L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:142712 CAPLUS Full-text
 DN 136:200186
 TI Preparation of dibenzo[b,e]azepines as $\alpha\text{V}\beta 3$ integrin ligands
 IN Geneste, Herve; Kling, Andreas; Lauterbach, Arnulf; Graef, Claudia
 Isabella; Subkowski, Thomas; Hornberger, Wilfried
 PA Basf Aktiengesellschaft, Germany
 SO PCT Int. Appl., 157 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	DE 2000-10028575	A	20000614		
	WO 2001-EP9224	W	20010809		
OS	MARPAT 136:200186				
GI					



AB The invention relates to novel compds. which bind to integrin receptors, in particular as ligands for the $\alpha\text{V}\beta 3$ integrin receptor, the use thereof and pharmaceutical preps. containing said compds. BGL [L = UT; T = CO₂H, group hydrolizable to CO₂H, isostere of CO₂H; U = Xa(CR₁R₂)_b, CR₁:CR₂, C.tplbond.C, etc.; a = 0, 1; b = 0-2; X = CR₃R₄, NR₅, O, S; R₁-R₄ = T, H, OH, CONH₂, halo, amino, substituted alkyl, alkenyl, alkynyl, cycloalkyl, alkylaminocarbonyl, etc.; R₅ = H, (substituted) alkyl,

cycloalkyl, alkoxycarbonyl, alkylsulfonyl, etc.; G = Q1; Ar = atoms to form a (substituted) (anellated) (heterocyclic) 3-10 membered aryl ring; D = atoms to form a (substituted) (anellated) (unsatd.) (aromatic) 3-10 membered (heterocyclic) ring; X = CR11, N, C; W = YNR15; Y = CO, CS, C:NR12, CR13R14; R11 = H, halo, OH, (substituted) alkyl, alkoxy; R12 = H, OH, (substituted) alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, aralkyl, aralkoxy; R13, R14 = H, (substituted) alkyl, alkenyl, alkynyl, alkoxy; R13R14 = OCH2CH2O, OCH2O, (substituted) cycloalkyl; R15 = R151, AR152, etc.; R151 = COR152, CSR152, NO2, tetrazolyl, etc.; R152 = H, (substituted) cycloalkyl, aryl, heteroaryl, etc.; R153 = H, OH, (substituted) alkyl, alkoxy, aralkyl, aralkoxy, etc.; B = structure element containing ≥ 1 atom which can function as an acceptor in H bond formation under physiol. conditions], were prepared as $\alpha\text{V}\beta 3$ integrin ligands (no data). Thus, ethyldiisopropylamine and HATU were added to a 0° solution of 11-(2-methoxy-2-oxoethyl)-5-methyl-6-oxo-6,11-dihydro-5H-dibenzo[b,e]azepine-3-carboxylic acid (preparation given) in CH2Cl2; the mixture was stirred 1 h at 0° and 7-(4-aminobutyl)-1,2,3,4-tetrahydro[1,8]naphthyridine bistrifluoroacetate and ethyldiisopropylamine were added followed by stirring for 1 h at 0° overnight at room temperature to give Me [5-methyl-6-oxo-3-[[[4-[5,6,7,8-tetrahydro[1,8]naphthyridin-2-yl]butyl]amino]carbonyl]-6,11-dihydro-5H-dibenzo[b,e]azepin-11-yl]acetate.

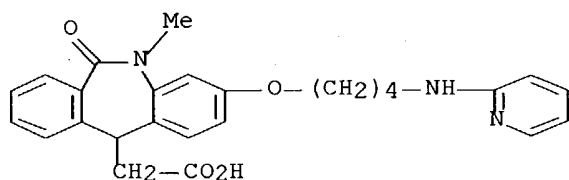
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dibenzoazepines as $\alpha\text{V}\beta 3$ integrin ligands)

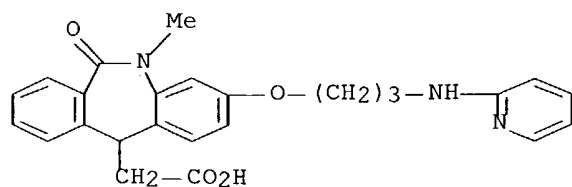
RN 400712-67-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[4-(2-pyridinylamino)butoxy]- (9CI) (CA INDEX NAME)



RN 400712-68-7 CAPLUS

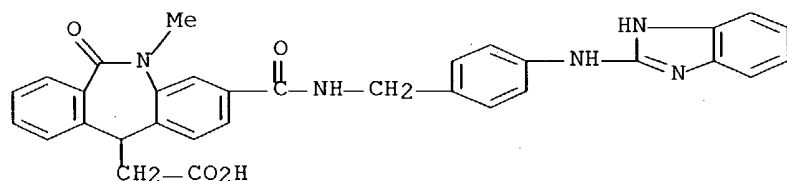
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● Na

RN 400712-69-8 CAPLUS

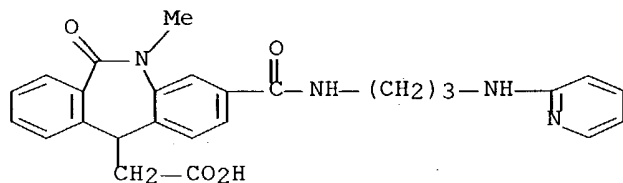
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 400712-70-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[[[3-(2-pyridinylamino)propyl]amino]carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)

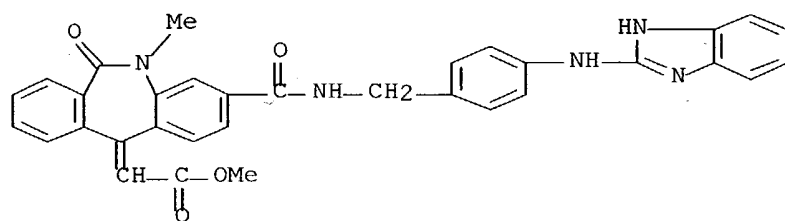


● Na

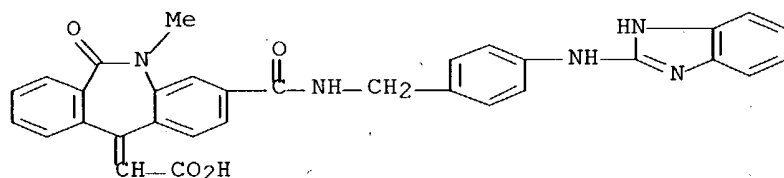
RN 400712-71-2 CAPLUS

CN Acetic acid, [3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbo

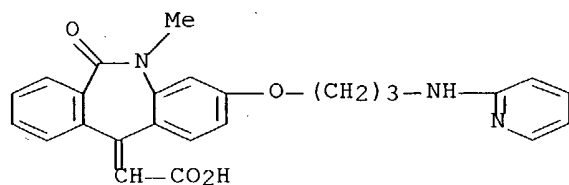
nyl]-5,6-dihydro-5-methyl-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]-,
methyl
ester (9CI) (CA INDEX NAME)



RN 400712-72-3 CAPLUS
CN Acetic acid, [3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbo
nyl]-5,6-dihydro-5-methyl-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]- (9CI)
(CA INDEX NAME)



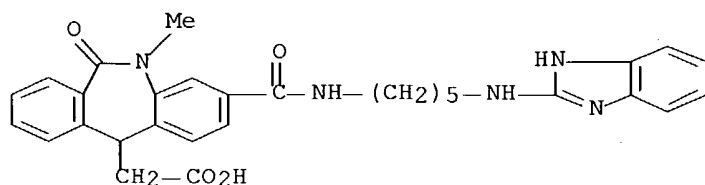
RN 400712-73-4 CAPLUS
CN Acetic acid, [5,6-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-
11H-dibenz[b,e]azepin-11-ylidene]-, monosodium salt (9CI) (CA INDEX
NAME)



● Na

RN 400712-74-5 CAPLUS

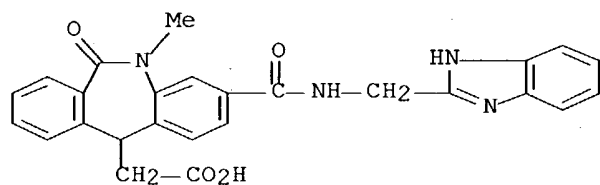
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 400712-75-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[1H-benzimidazol-2-ylmethyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, monosodium salt (9CI) (CA INDEX NAME)

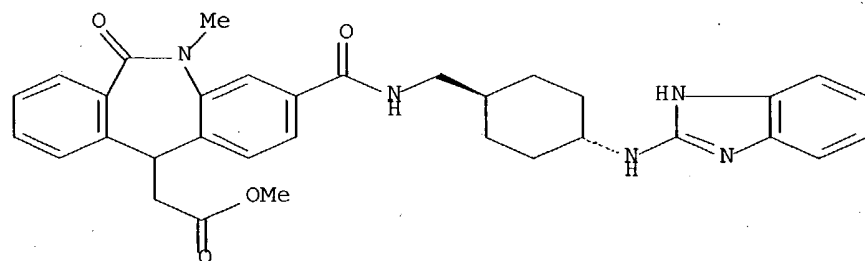


● Na

RN 400712-78-9 CAPLUS

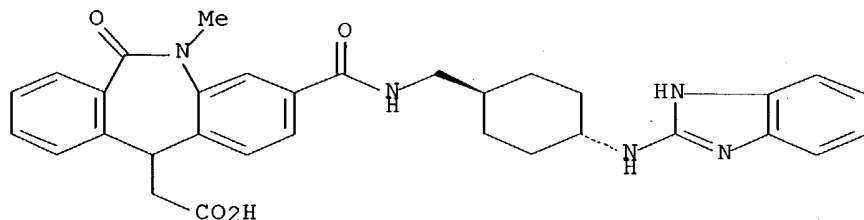
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

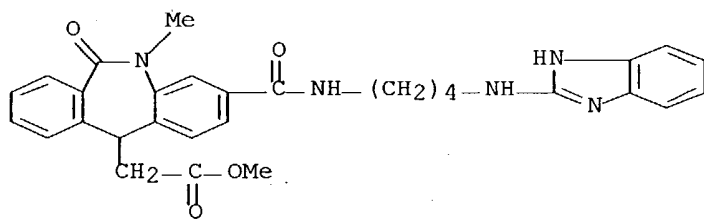


RN 400712-79-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl)methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo- (9CI) (CA INDEX NAME)

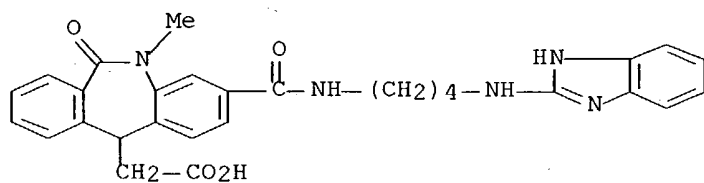
Relative stereochemistry.



RN 400712-82-5 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)butyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 400712-83-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)butyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo- (9CI) (CA INDEX NAME)



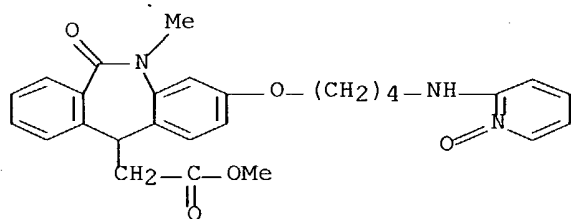
IT 400712-92-7P 400712-93-8P 400712-94-9P
 400712-95-0P 400712-96-1P 400712-99-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

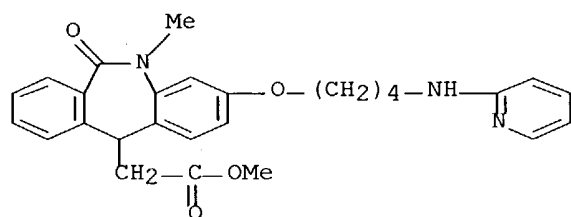
(Reactant or reagent)

RN 400712-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-3-[4-[(1-oxido-2-pyridinyl)amino]butoxy]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



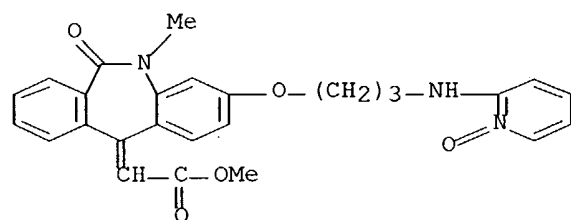
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[4-(2-pyridinylamino)butoxy]-, methyl ester (9CI) (CA INDEX NAME)



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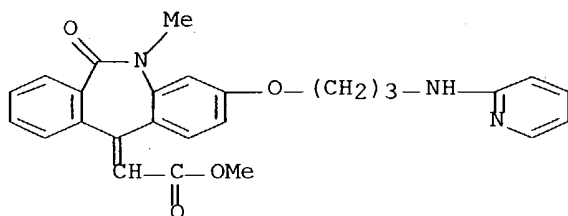
CN      Acetic acid, [5,6-dihydro-5-methyl-3-[3-[(1-oxido-2-
        pyridinyl)amino]propoxy]-6-oxo-11H-dibenz[b,e]azepin-11-ylidene]-,
methyl
        ester (9CI)      (CA INDEX NAME)

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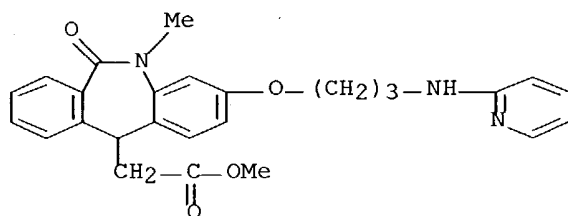
RN 400712-95-0 CAPLUS

CN Acetic acid, [5,6-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-11H-dibenz[b,e]azepin-11-ylidene]-, methyl ester (9CI) (CA INDEX NAME)



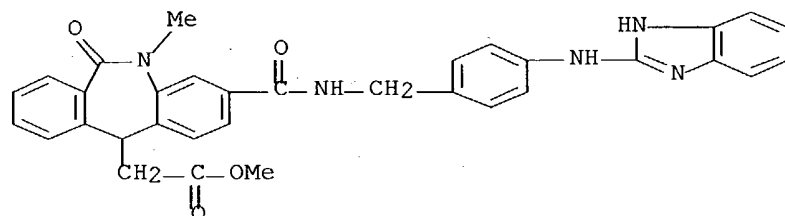
RN 400712-96-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-[3-(2-pyridinylamino)propoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 400712-99-4 CAPLUS

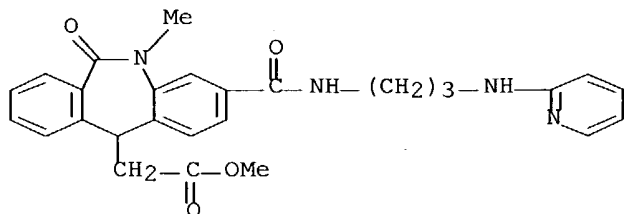
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 400713-00-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-methyl-6-oxo-3-
[[[3-

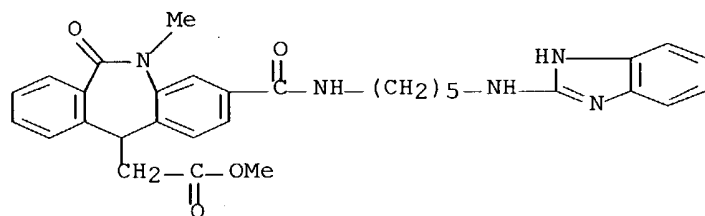
(2-pyridinylamino)propyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX
NAME)



RN 400713-04-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl
ester

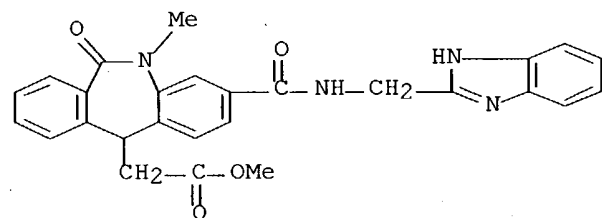
(9CI) (CA INDEX NAME)



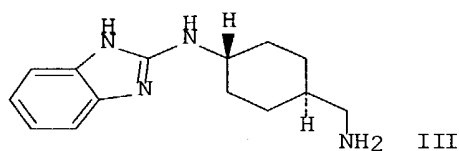
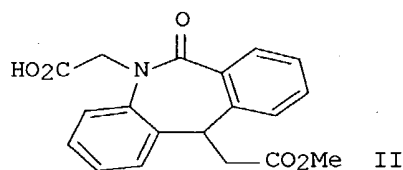
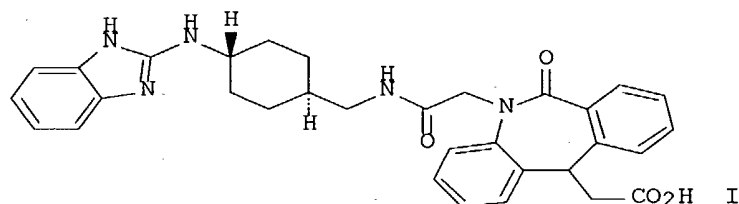
RN 400713-05-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 3-[[[1H-benzimidazol-2-ylmethyl]amino]carbonyl]-6,11-dihydro-5-methyl-6-oxo-, methyl ester
(9CI)

(CA INDEX NAME)



L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:97692 CAPLUS Full-text
 DN 137:103383
 TI Synthesis and SAR of N-substituted dibenzazepinone derivatives as novel
 potent and selective $\alpha\text{V}\beta 3$ antagonists
 AU Kling, Andreas; Backfisch, Gisela; Delzer, Jurgen; Geneste, Herve;
 Graef, Claudia; Holzenkamp, Uta; Hornberger, Wilfried; Lange, Udo E. W.;
 Lauterbach, Arnulf; Mack, Helmut; Seitz, Werner; Subkowski, Thomas
 CS Knoll GmbH, Ludwigshafen, D-67008, Germany
 SO Bioorganic & Medicinal Chemistry Letters (2002), 12(3), 441-446
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 137:103383
 GI



AB Substituted oxodibenzazepineacetic acids substituted with guanidines or
 guanidine pharmacophores such as I are prepared as potential $\alpha\text{V}\beta 3$
 (vitronectin receptor) antagonists. The oxodibenzazepineacetic acid
 core II is prepared in 5 steps from 9,10-anthraquinone; coupling of II
 with guanidine or guanidine pharmacophore-substituted amines such as III
 followed by hydrolysis of the Me ester yields compds. such as I.
 Structure-activity relationships are determined for the guanidine or
 guanidine pharmacophore-substituted oxodibenzazepineacetic acids,
 varying the linker between the guanidine pharmacophore and the
 oxodibenzazepine and the choice of guanidine pharmacophore. Compound I
 and a second guanidine pharmacophore-substituted oxodibenzazepineacetic
 acid are found to be highly active inhibitors of the vitronectin
 receptor in vitro and are found to be bioavailable in ADME assays.

IT **326401-69-8P 326401-92-7P 443332-42-1P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation)

(preparation of a guanidine or guanidine pharmacophore-substituted

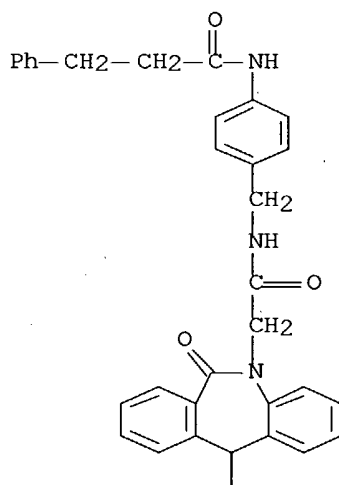
oxodibenzazepineacetic acid and lack of activity as a potential
 $\alpha\text{V}\beta\text{3}$ receptor antagonist)

RN 326401-69-8 CAPLUS

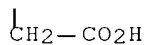
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[4-

[(1-oxo-3-phenylpropyl)amino]phenyl)methyl]amino]ethyl]- (9CI) (CA
 INDEX
 NAME)

PAGE 1-A



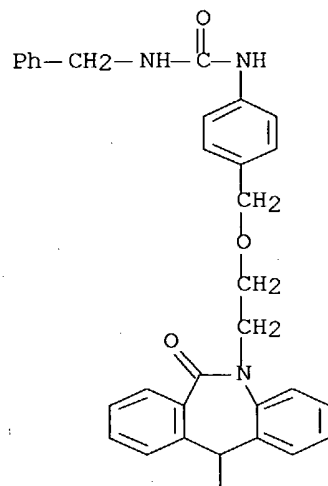
PAGE 2-A



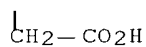
RN 326401-92-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[4-
 [[[(phenylmethyl) amino] carbonyl] amino] phenyl] methoxy] ethyl]- (9CI) (CA
 INDEX NAME)

PAGE 1-A

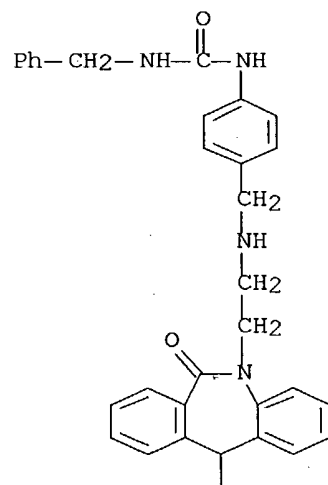


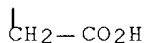
PAGE 2-A



RN 443332-42-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-[[[4-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

PAGE 1-A





IT 326398-90-7P 326399-16-0P 326399-52-4P
 326399-63-7P 326399-69-3P 326399-78-4P
 326399-83-1P 326400-55-9P 326400-65-1P
 326400-70-8P 326401-04-1P 326401-08-5P
 326401-18-7P 326401-26-7P 326401-31-4P
 326401-36-9P 326401-41-6P 326401-74-5P
 326401-97-2P 326471-38-9P 443332-00-1P
 443332-07-8P 443332-29-4P 443332-52-3P

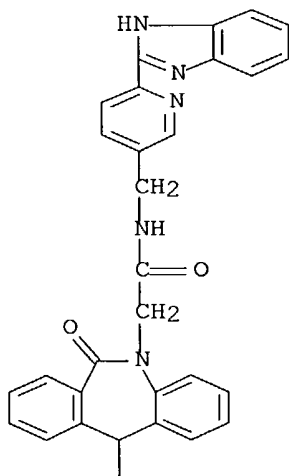
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation)

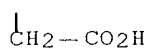
(preparation of guanidine or guanidine pharmacophore-substituted
 oxodibenzazepineacetic acids as potential $\alpha\text{V}\beta 3$ receptor
 antagonists)

RN 326398-90-7 CAPLUS

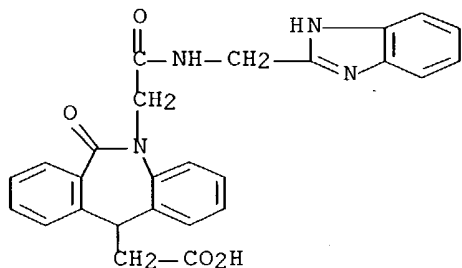
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
 3-

pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX
 NAME)

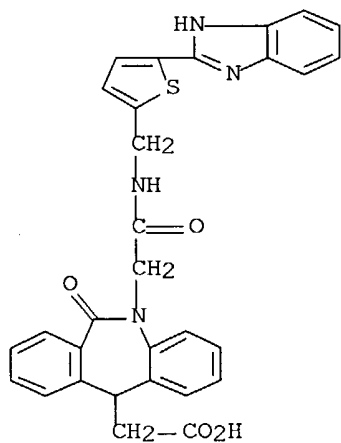




RN 326399-16-0 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

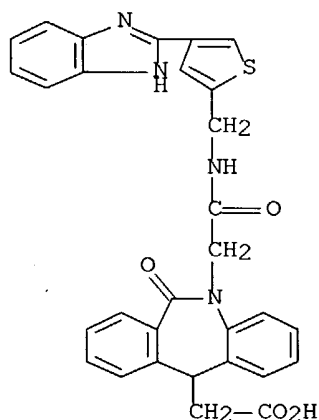


RN 326399-52-4 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



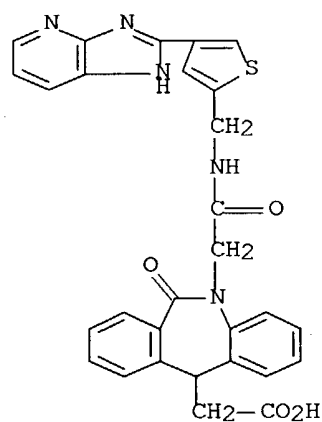
RN 326399-63-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

NAME)



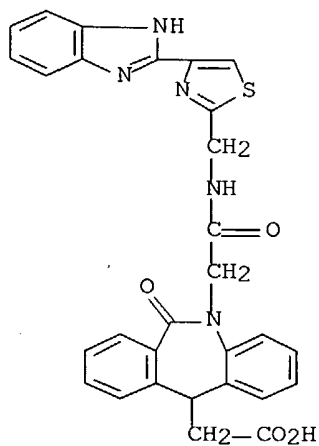
RN 326399-69-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



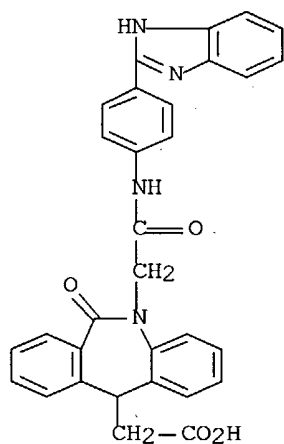
RN 326399-78-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-2-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326399-83-1 CAPLUS

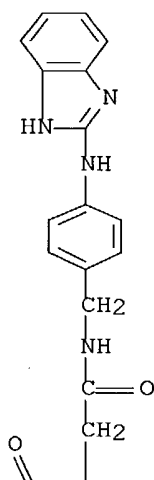
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



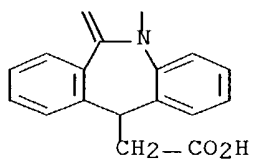
RN 326400-55-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

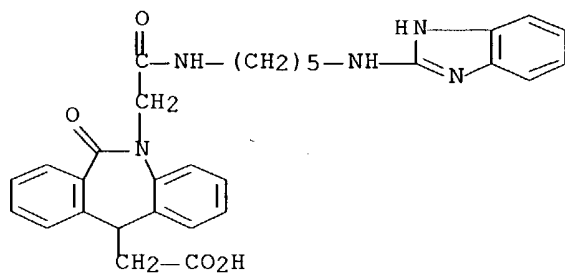
PAGE 1-A



PAGE 2-A

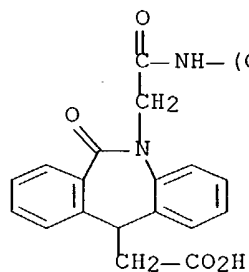


RN 326400-65-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-70-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-

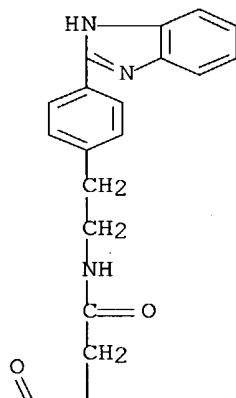
ylamino)butyl] amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



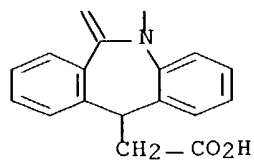
RN 326401-04-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

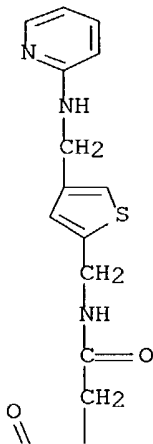


PAGE 2-A

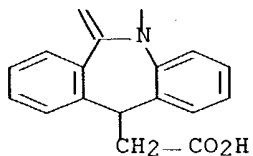


RN 326401-08-5 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-
 [(2-pyridinylamino)methyl]-2-thienyl)methyl]amino]ethyl]- (9CI) (CA
 INDEX
 NAME)

PAGE 1-A

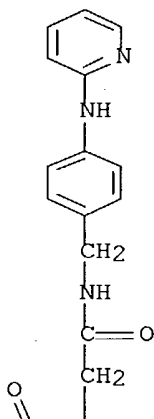


PAGE 2-A

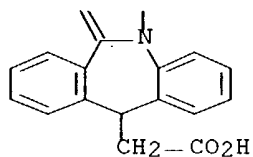


RN 326401-18-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-
 (2-pyridinylamino)phenyl)methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

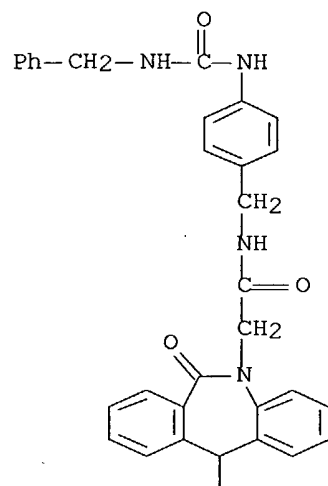


RN 326401-26-7 CAPLUS

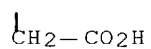
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-

[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI)
(CA INDEX NAME)

PAGE 1-A

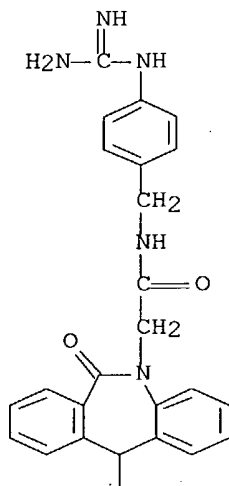


PAGE 2-A

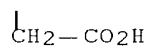


RN 326401-31-4 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
6- [(aminoiminomethyl) amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
oxo- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RN 326401-36-9 CAPLUS

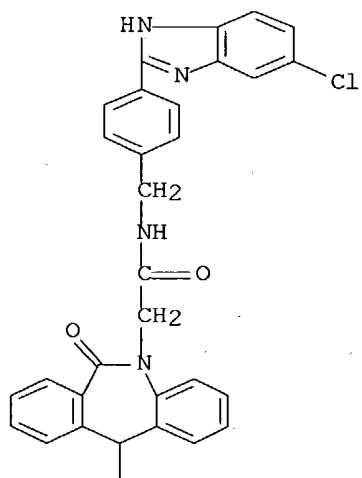
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-

2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA

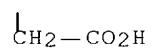
INDEX

NAME)

PAGE 1-A

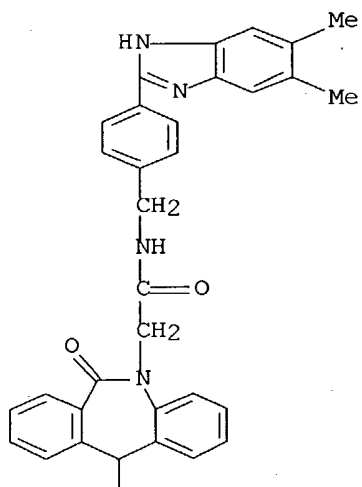


PAGE 2-A

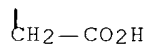


RN 326401-41-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)

PAGE 1-A



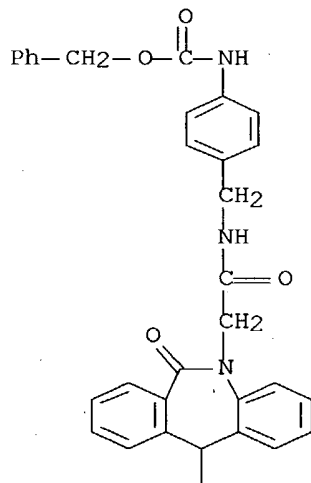
PAGE 2-A



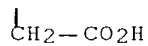
RN 326401-74-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[(phenylmethoxy) carbonyl] amino] phenyl] methyl] amino] ethyl]- (9CI) (CA
INDEX NAME)

PAGE 1-A

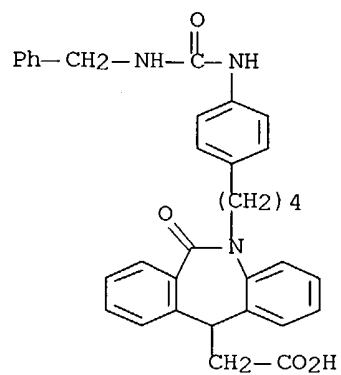


PAGE 2-A



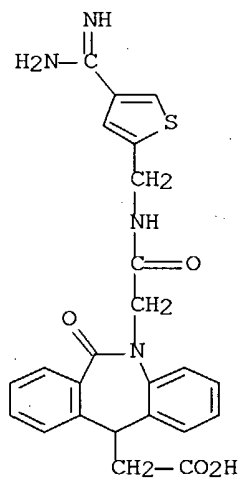
RN 326401-97-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[4-[4-
[[(phenylmethyl) amino] carbonyl] amino] phenyl] butyl]- (9CI) (CA INDEX
NAME)



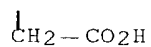
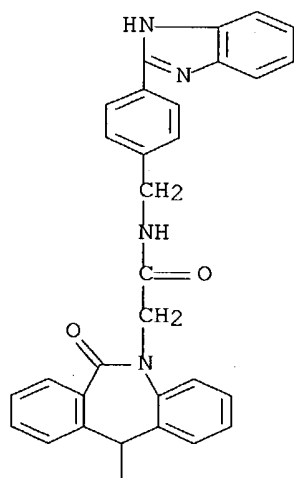
RN 326471-38-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

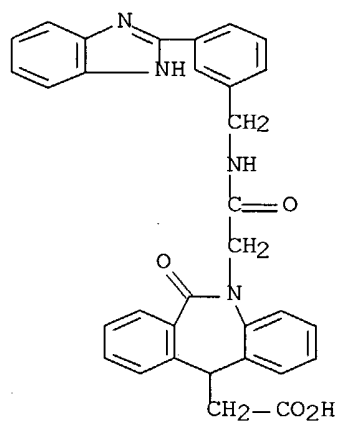


RN 443332-00-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



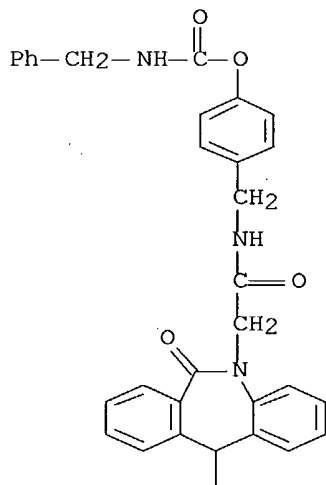
RN 443332-07-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[3-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



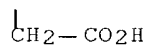
RN 443332-29-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[4-
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 (CA
 INDEX NAME)

PAGE 1-A

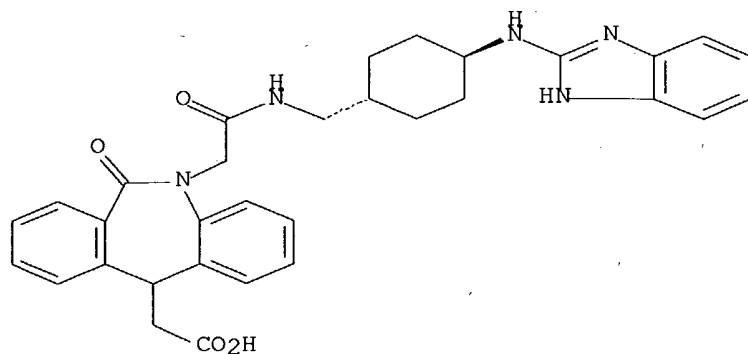


PAGE 2-A



RN 443332-52-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[trans-4-(1H-benzimidazol-
 2-
 ylamino)cyclohexyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.



IT 326400-60-6P 326401-22-3P 326408-08-6P
 326408-33-7P 443331-29-1P 443331-31-5P
 443331-34-8P 443331-37-1P 443331-42-8P
 443331-47-3P 443331-50-8P 443331-53-1P
 443331-56-4P 443331-59-7P 443331-62-2P
 443331-65-5P 443331-68-8P 443331-73-5P
 443331-76-8P 443331-79-1P 443331-84-8P
 443331-87-1P 443331-90-6P 443331-93-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)

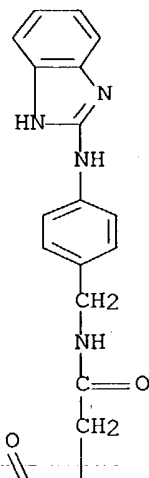
(preparation of guanidine or guanidine pharmacophore-substituted
 oxodibenzazepineacetic acids as potential $\alpha\text{V}\beta\text{3}$ receptor
 antagonists)

RN 326400-60-6 CAPLUS

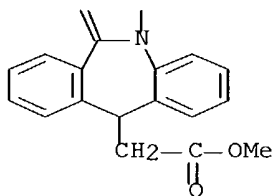
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl
 ester

(9CI) (CA INDEX NAME)

PAGE 1-A

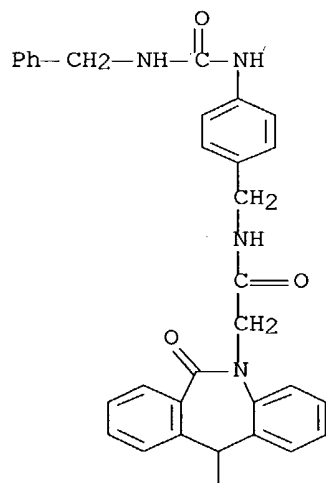


PAGE 2-A

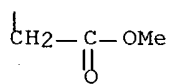


RN 326401-22-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[[4-
 [[[(phenylmethyl) amino] carbonyl] amino] phenyl] methyl] amino] ethyl]-,
 methyl
 ester (9CI) (CA INDEX NAME)

PAGE 1-A

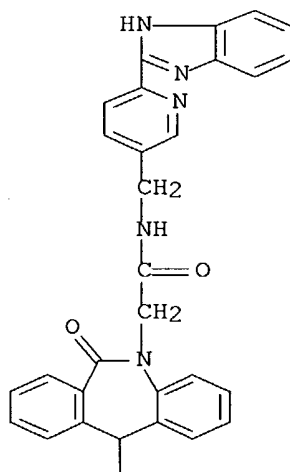


PAGE 2-A

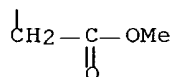


RN 326408-08-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
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 (9CI) (CA INDEX NAME)

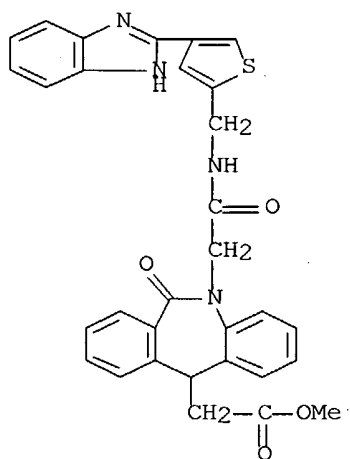
PAGE 1-A



PAGE 2-A

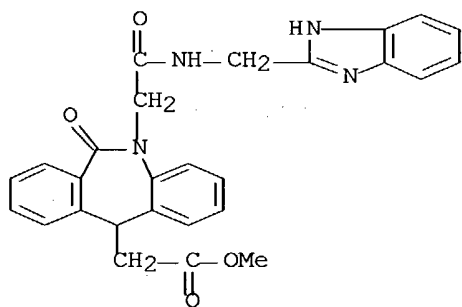


RN 326408-33-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
 2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI)
 (CA INDEX NAME)



RN 443331-29-1 CAPLUS

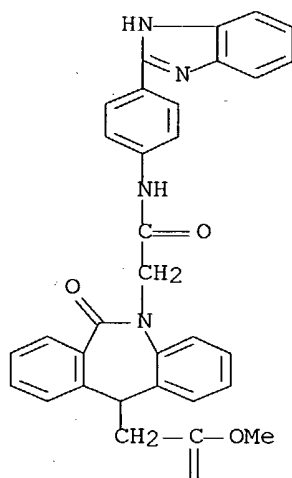
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[(1H-benzimidazol-2-ylmethyl)amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 443331-31-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-yl)phenyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

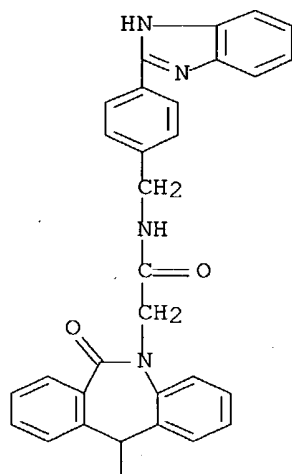


PAGE 2-A

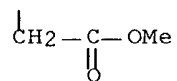
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RN 443331-34-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

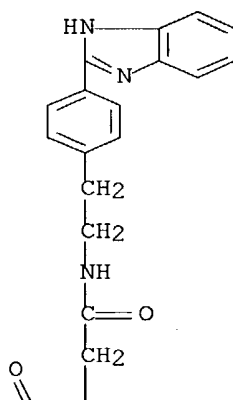


RN 443331-37-1 CAPLUS

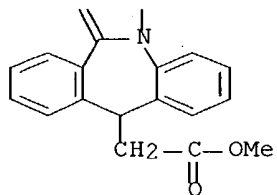
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-[4-(1H-benzimidazol-2-yl)phenyl]ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI)

(CA INDEX NAME)

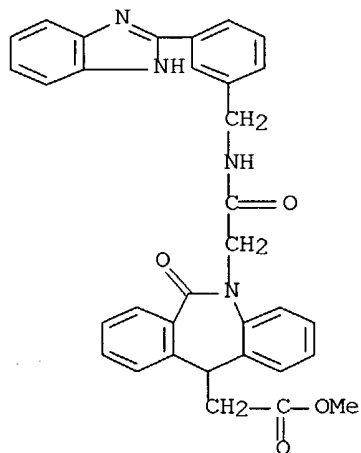
PAGE 1-A



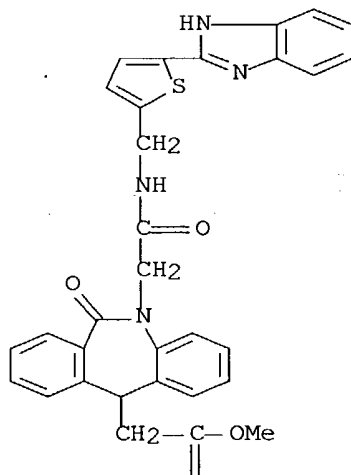
PAGE 2-A



RN 443331-42-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[3-(1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

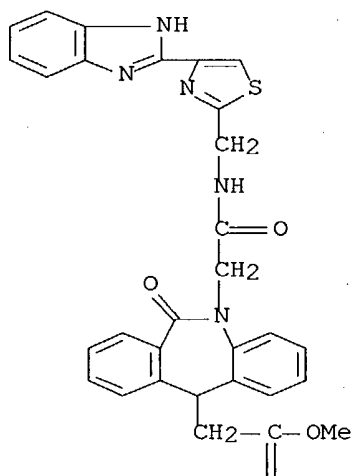


RN 443331-47-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI)
 (CA INDEX NAME)



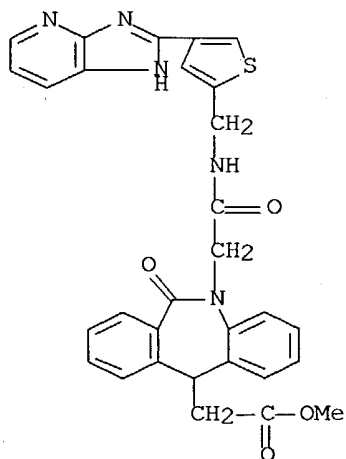
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O

RN 443331-50-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
2-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI) (CA INDEX NAME)



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O

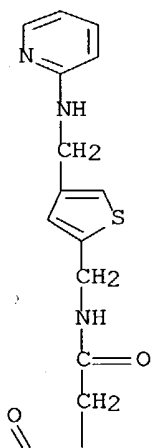
RN 443331-53-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[4-(1H-imidazo[4,5-b]pyridin-2-yl)-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

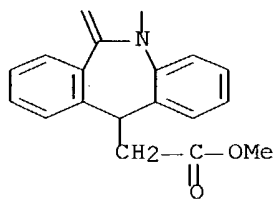


RN 443331-56-4 CAPLUS

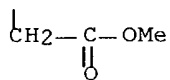
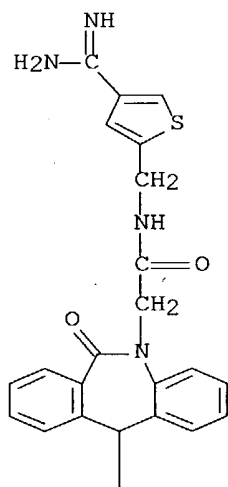
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[4-
 [(2-pyridinylamino)methyl]-2-thienyl]methyl]amino]ethyl]-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A



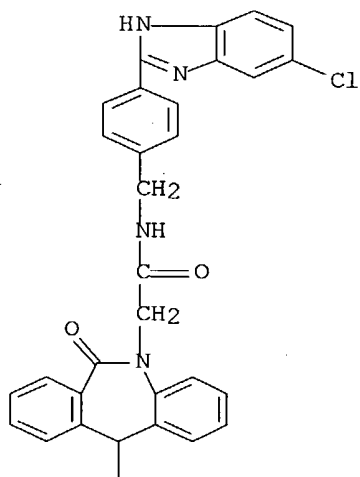


RN 443331-59-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI)
 (CA INDEX NAME)

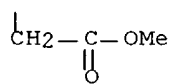


RN 443331-62-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5-chloro-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A

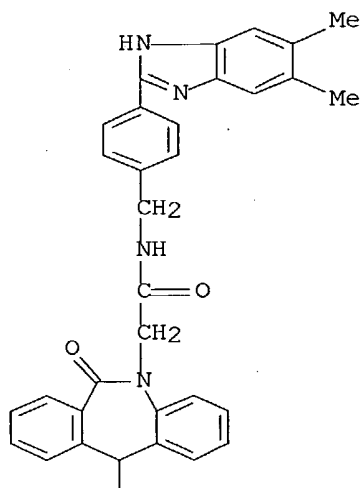


PAGE 2-A

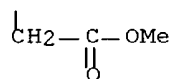


RN 443331-65-5 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(5,6-dimethyl-1H-benzimidazol-2-yl)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

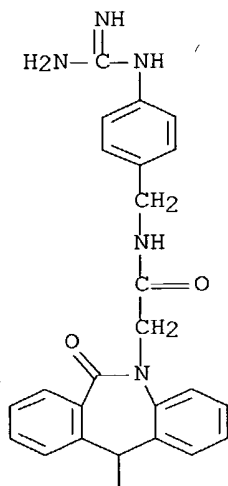


PAGE 2-A

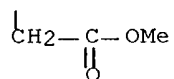


RN 443331-68-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-
[(aminoiminomethyl)amino]phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-
6-
oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



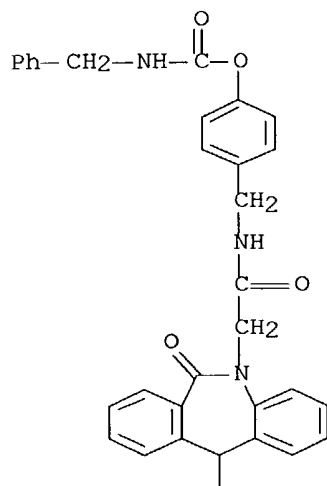
RN 443331-73-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

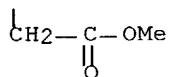
[[[4-

[[[(phenylmethyl)amino]carbonyl]oxy]phenyl]methyl]amino]ethyl)-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



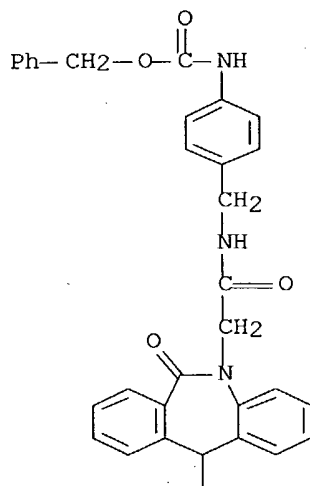
PAGE 2-A



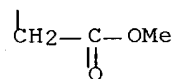
RN 443331-76-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[4-
[[(phenylmethoxy) carbonyl] amino] phenyl] methyl] amino] ethyl]-, methyl
ester
(9CI) (CA INDEX NAME)

PAGE 1-A

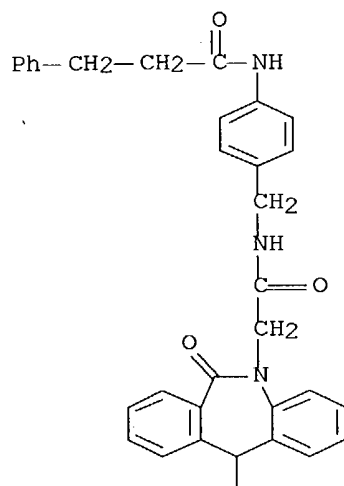


PAGE 2-A

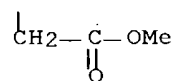


RN 443331-79-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
 [[4-
 [(1-oxo-3-phenylpropyl)amino]phenyl]methyl]amino]ethyl]-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



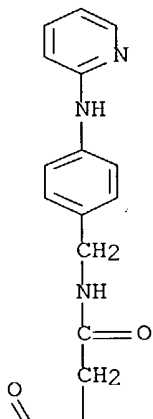
RN 443331-84-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-

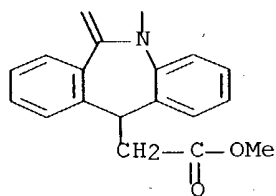
[[[4-

(2-pyridinylamino)phenyl]methyl]amino]ethyl]-, methyl ester (9CI) (CA
INDEX NAME)

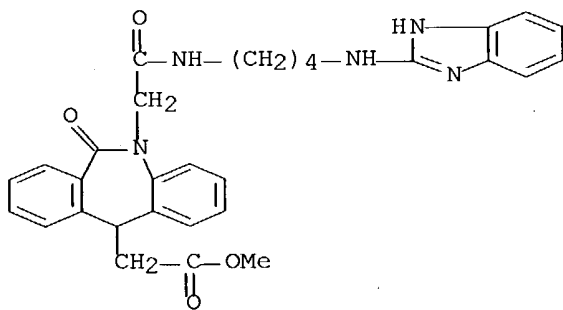
PAGE 1-A



PAGE 2-A

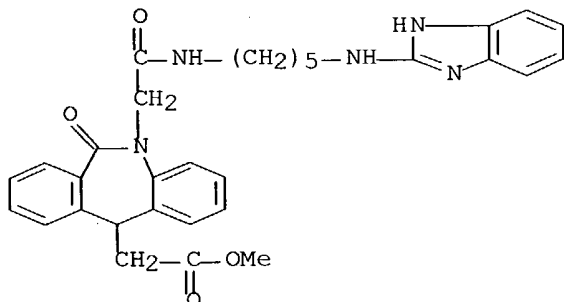


RN 443331-87-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI)
 (CA INDEX NAME)



RN 443331-90-6 CAPLUS

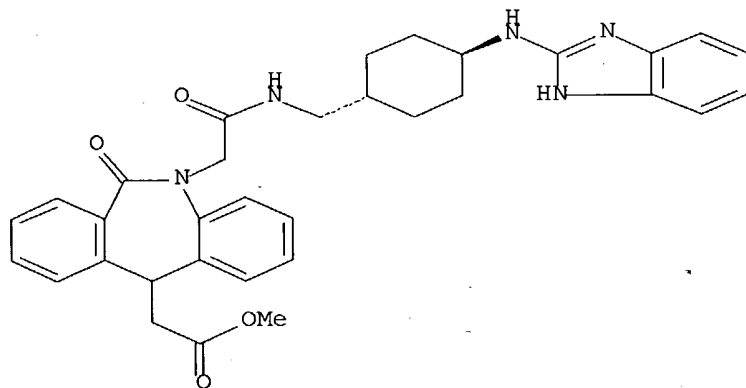
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[5-(1H-benzimidazol-2-ylamino)pentyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI)
(CA INDEX NAME)



RN 443331-93-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[trans-4-(1H-benzimidazol-2-ylamino)cyclohexyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

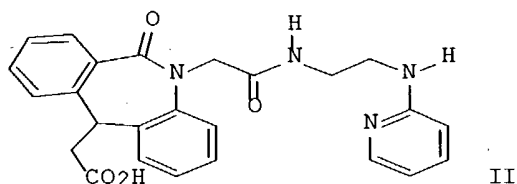
Relative stereochemistry.



RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:115130 CAPLUS Full-text
 DN 134:178474
 TI Preparation of oxobenzazepinealkanoates and analogs as integrin receptor antagonists
 IN Kling, Andreas; Geneste, Herve; Lange, Udo; Lauterbach, Arnulf; Graef, Claudia Isabella; Subkowski, Thomas; Holzenkamp, Uta; Mack, Helmut; Sadowski, Jens; Hornberger, Wilfried; Laux, Volker
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 158 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

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	RW:				
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	TR 200200357	T2	20020923	TR 2002-200200357	20000801
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PRAI	DE 1999-19936780	A	19990809		
	WO 2000-EP7440	W	20000801		
OS	MARPAT 134:178474				
GI					



AB RZZ1R1 [I; R = group contg, ≥1 non-H H-bonding atom; R1 = CO2H, or group hydrolyzable to CO2H; Z = e.g., (hetero)annelated 2-oxo-1-benzazepin-

1,5-diyl; Z1 = bond, (un)substituted NHCH₂, -OCH₂, -alkylene, -CH:CH, etc.] were prepared Thus, Me 11-methoxycarbonylmethyl-6-oxo-6,11-dihydro-5H-dibenz[b,e]azepine-5-acetate (preparation given) was amidated by N-(2-aminoethyl)pyridine-2-amine to give, after saponification, title compound II. Data for biol. activity of I were given.

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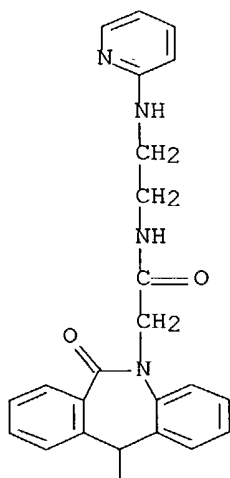
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BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of oxobenzazepinealkanoates and analogs as integrin
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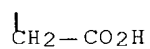
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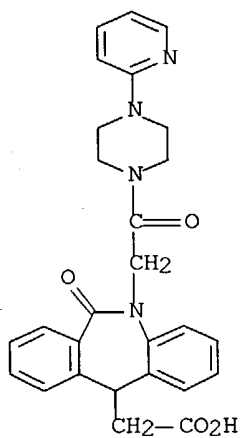
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PAGE 2-A



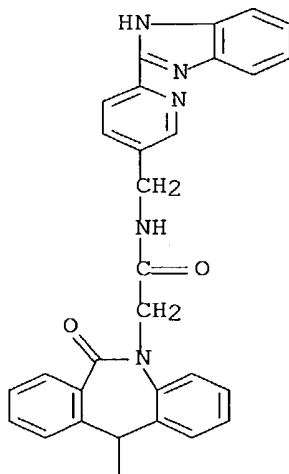
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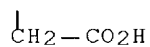
RN 326398-90-7 CAPLUS

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PAGE 1-A

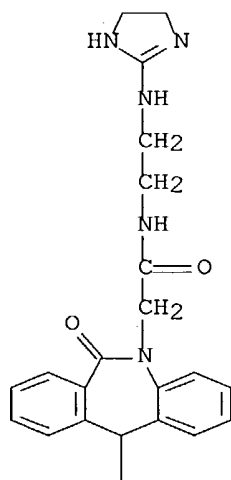


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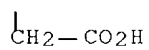


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PAGE 1-A



PAGE 2-A

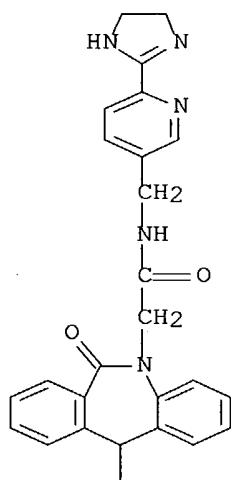


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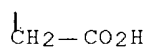
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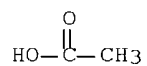


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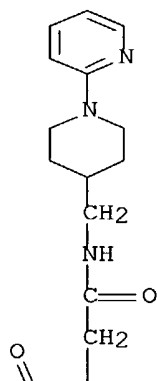
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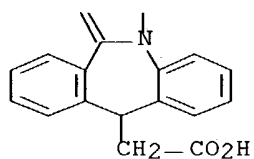
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PAGE 1-A



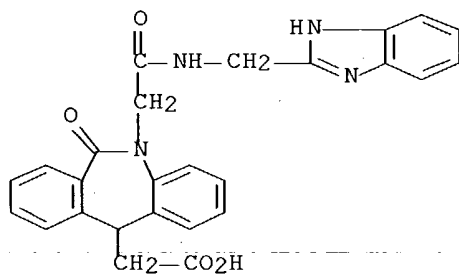
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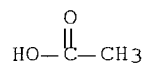
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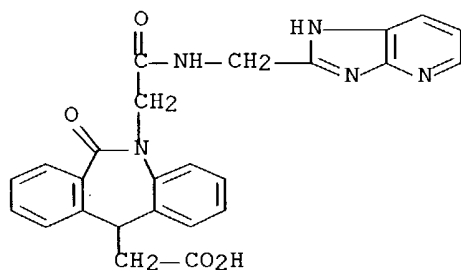
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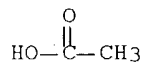
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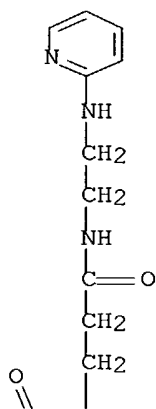
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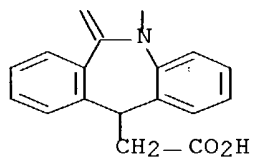
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(2-
pyridinylamino)ethyl]amino]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

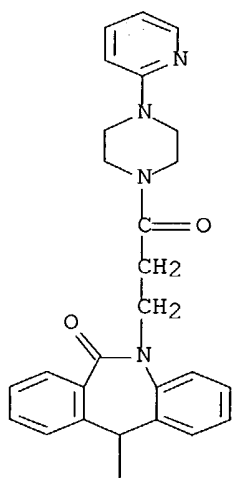


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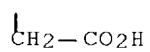


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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[3-oxo-3-[4-(2-
(2-pyridinyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)

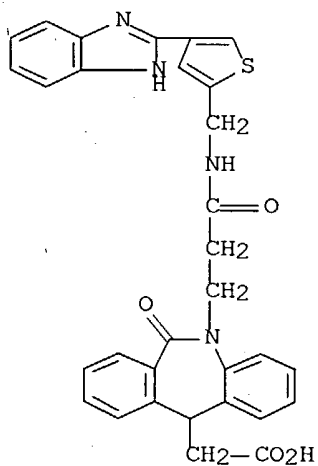
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PAGE 2-A



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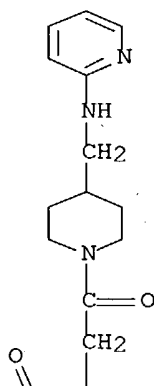


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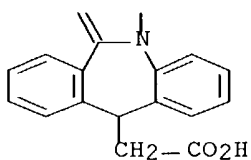
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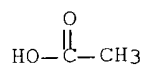


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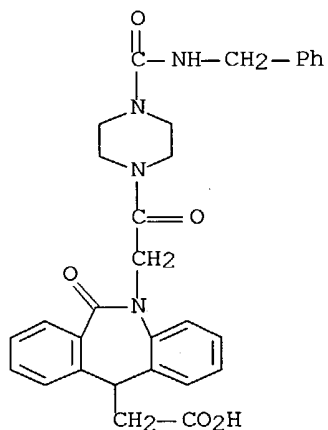
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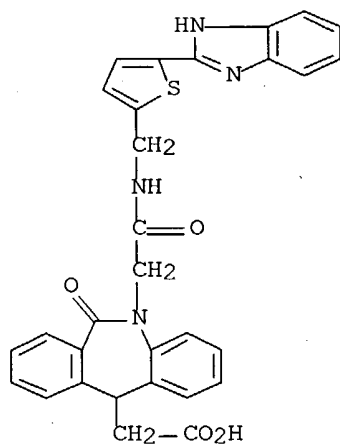
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[[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX
NAME)



RN 326399-52-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(1H-benzimidazol-2-yl)-
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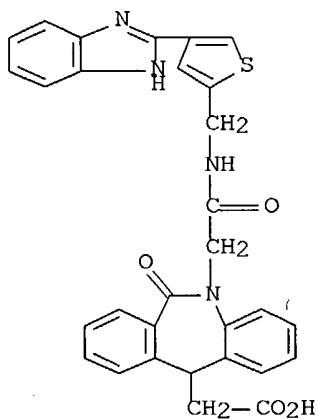


RN 326399-64-8 CAPLUS
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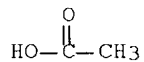
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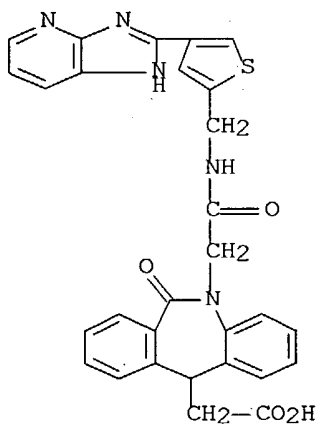
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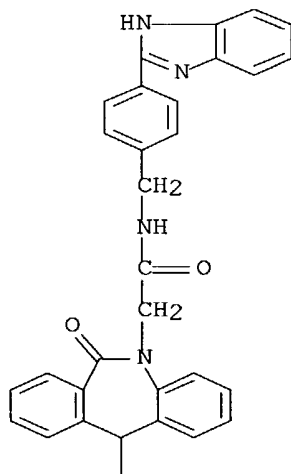
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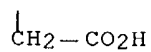


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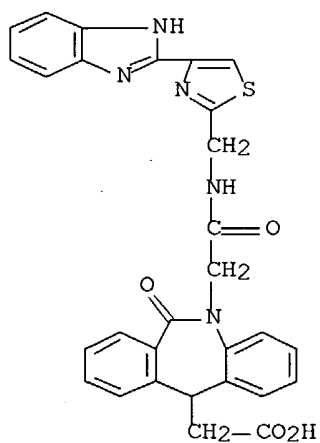
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PAGE 1-A

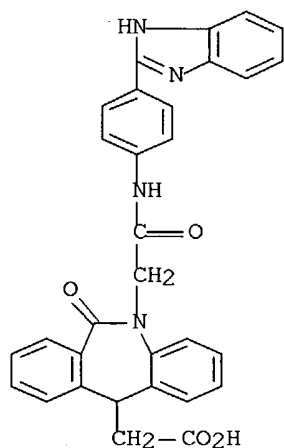




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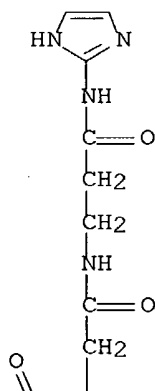
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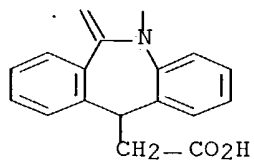


RN 326400-13-9 CAPLUS

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PAGE 1-A

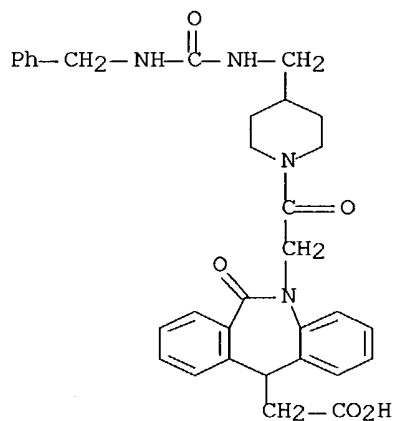




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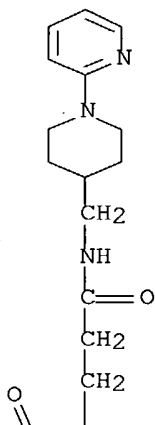


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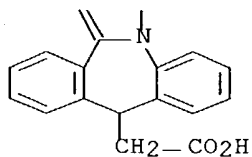
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PAGE 1-A



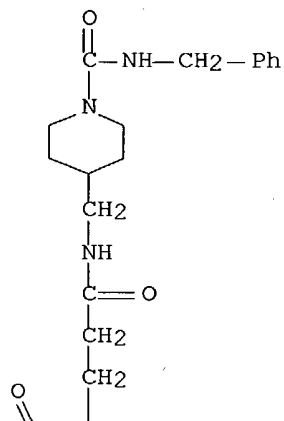
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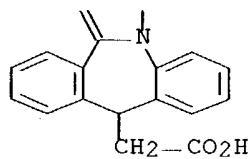
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(CA INDEX NAME)

PAGE 1-A

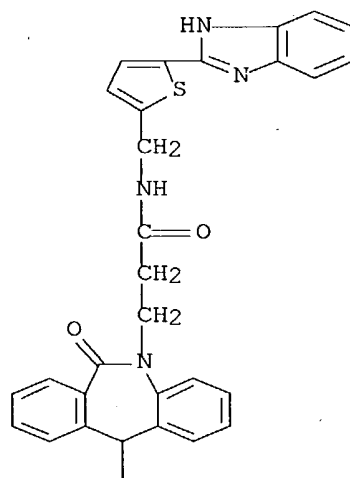


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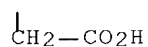


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PAGE 1-A



PAGE 2-A

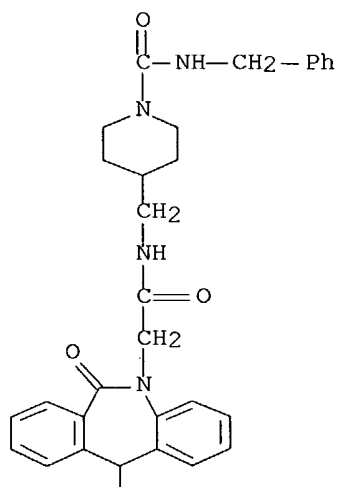


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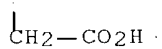
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
[[[1-

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(CA INDEX NAME)

PAGE 1-A



PAGE 2-A

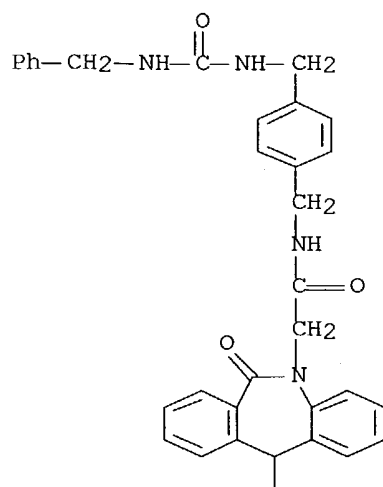


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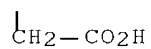
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(9CI) (CA INDEX NAME)

PAGE 1-A

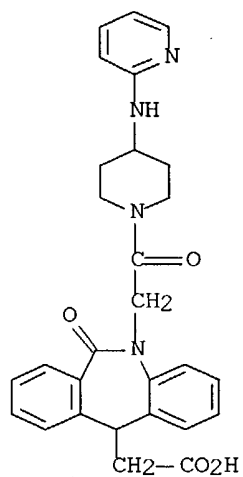


PAGE 2-A



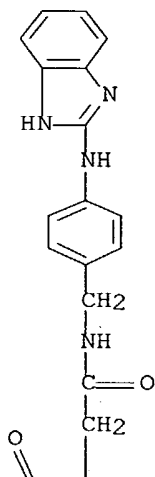
RN 326400-50-4 CAPLUS

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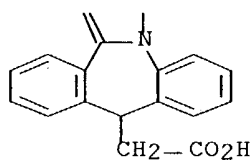


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 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

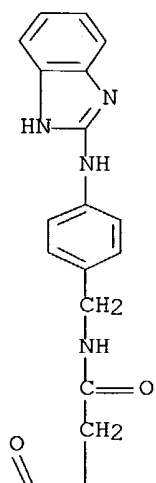


PAGE 2-A

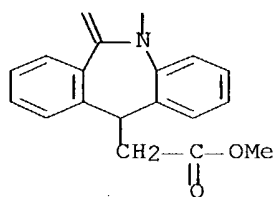


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 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-ylamino)phenyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

PAGE 1-A

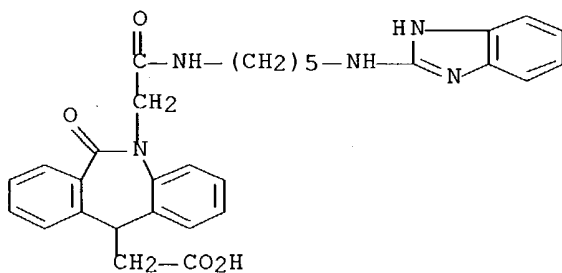


PAGE 2-A



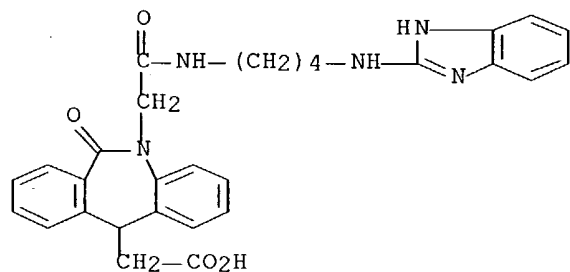
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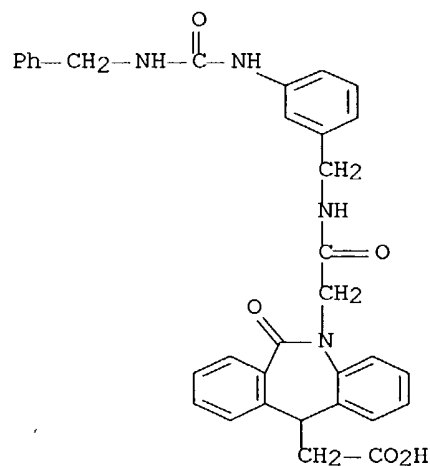
RN 326400-70-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(1H-benzimidazol-2-ylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326400-74-2 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]ethyl]- (9CI) (CA INDEX NAME)



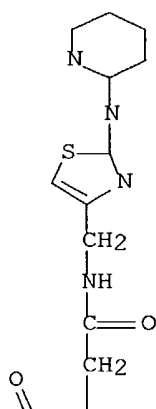
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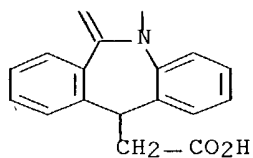
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NAME)

PAGE 1-A



PAGE 2-A

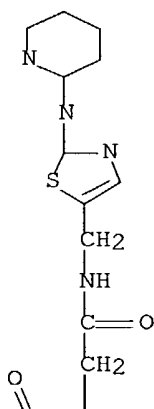


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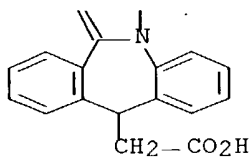
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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(2-pyridinylamino)-5-thiazolyl]methyl]amino]ethyl]- (9CI) (CA INDEX
NAME)

PAGE 1-A



PAGE 2-A



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

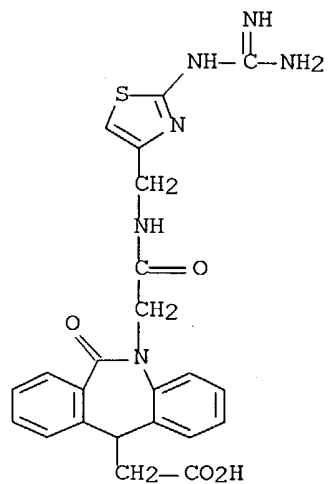
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[2-[(aminoiminomethyl)amino]-4-thiazolyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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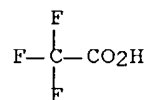
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



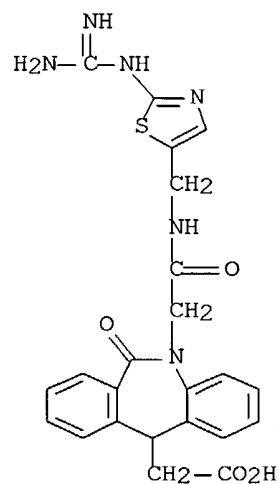
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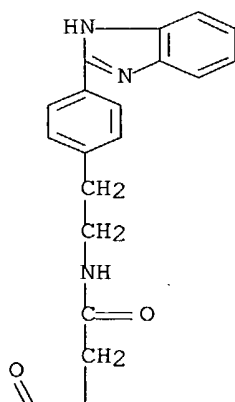
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NAME)

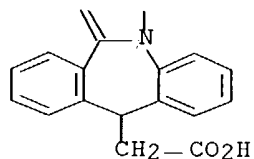


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PAGE 1-A

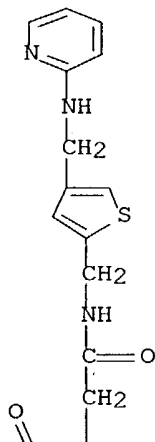


PAGE 2-A

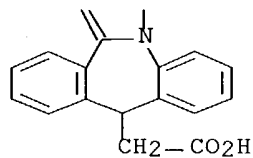


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INDEX
NAME)

PAGE 1-A

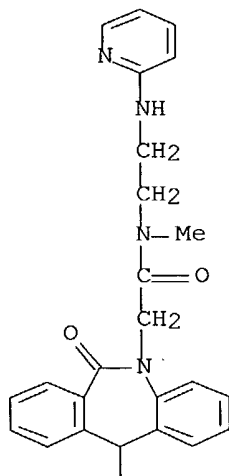


PAGE 2-A

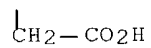


RN 326401-13-2 CAPLUS
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PAGE 1-A



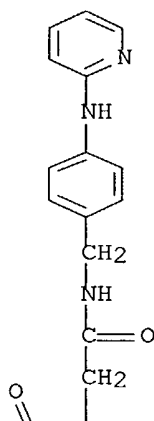
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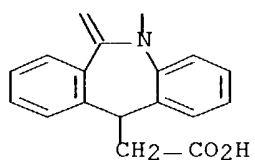
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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PAGE 1-A



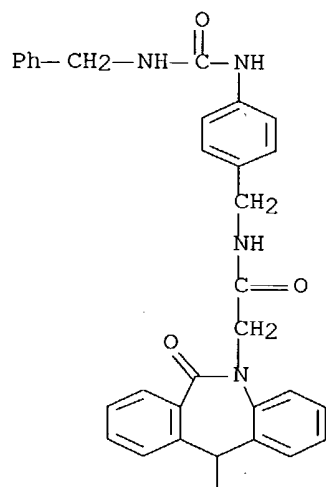
PAGE 2-A



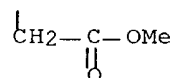
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methyl
ester (9CI) (CA INDEX NAME)

PAGE 1-A



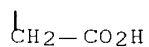
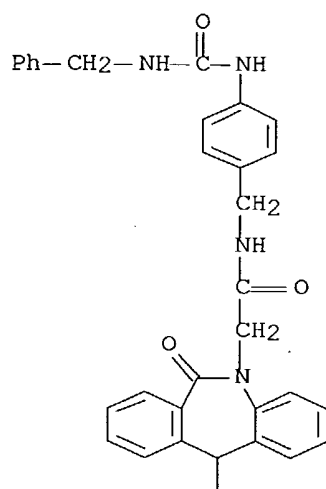
PAGE 2-A



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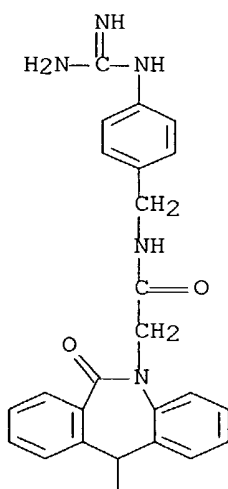
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(CA INDEX NAME)

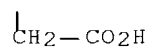


RN 326401-32-5 CAPLUS
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 CRN 326401-31-4
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PAGE 1-A



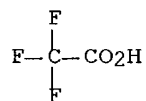
PAGE 2-A



CM 2

CRN 76-05-1

CMF C2 H F3 O2



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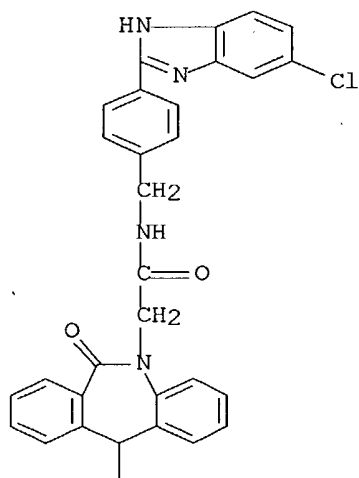
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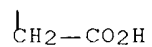
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PAGE 1-A

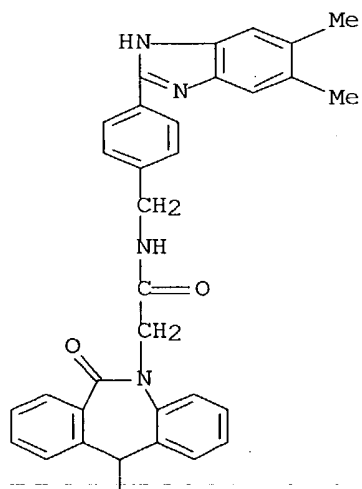


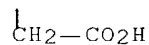
PAGE 2-A



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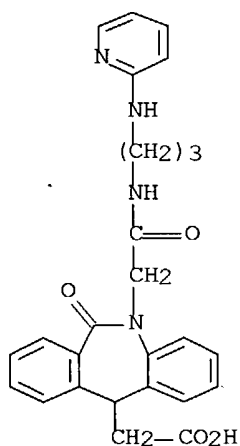
PAGE 1-A





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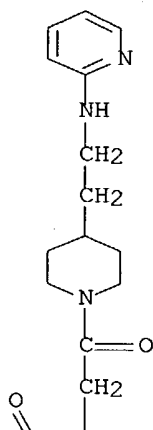
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[3-(2-pyridinylamino)propyl]amino]ethyl]- (9CI) (CA INDEX NAME)



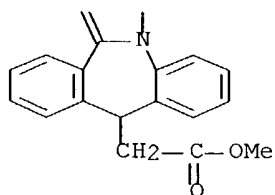
RN 326401-50-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-[2-(2-pyridinylamino)ethyl]-1-piperidinyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



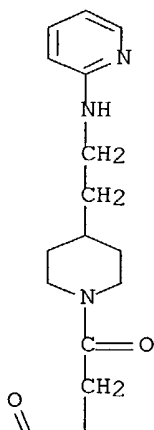
PAGE 2-A



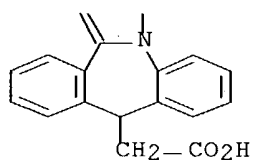
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PAGE 1-A

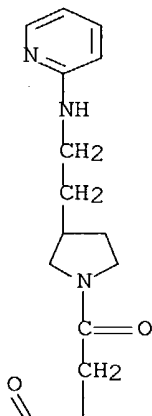


PAGE 2-A

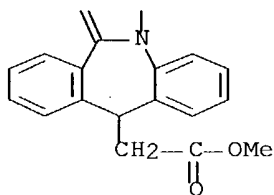


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INDEX NAME)

PAGE 1-A

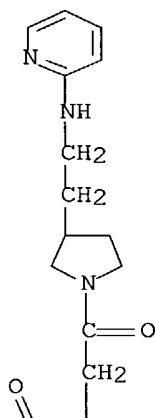


PAGE 2-A

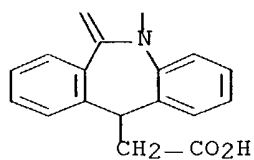


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PAGE 1-A



PAGE 2-A



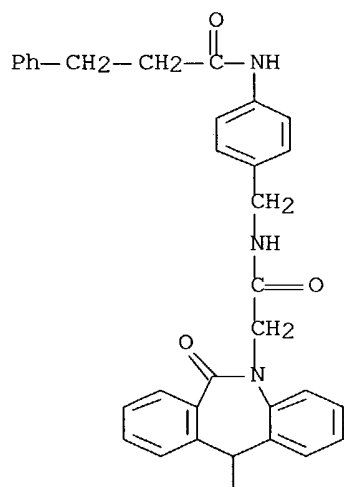
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[[[4-

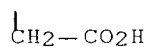
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INDEX

NAME)

PAGE 1-A



PAGE 2-A

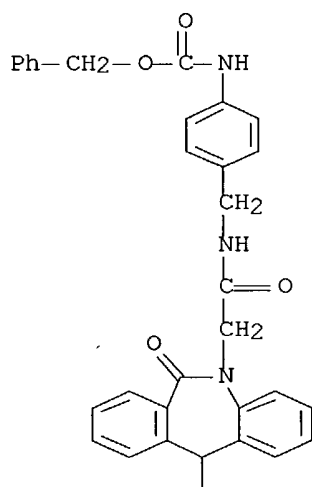


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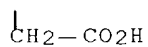
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INDEX NAME)

PAGE 1-A

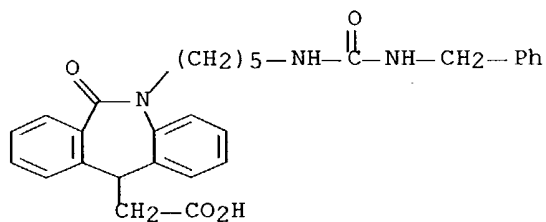


PAGE 2-A



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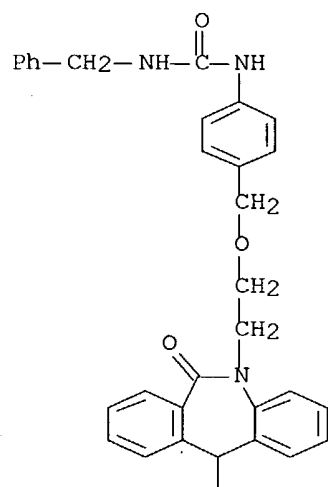
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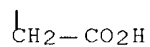
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PAGE 1-A

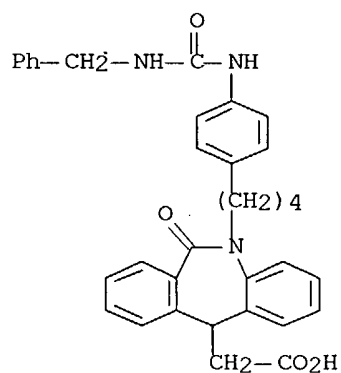


PAGE 2-A



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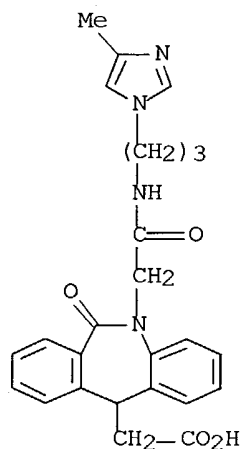
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NAME)



RN 326402-06-6 CAPLUS

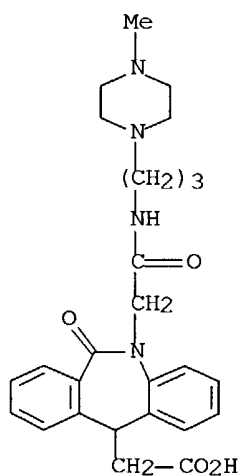
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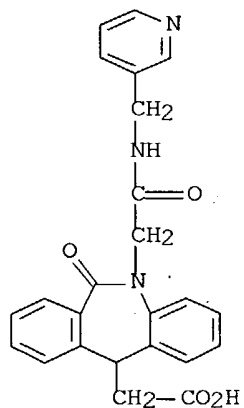
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CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(4-methyl-1-piperazinyl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



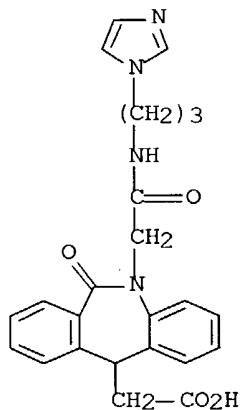
RN 326402-16-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(3-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



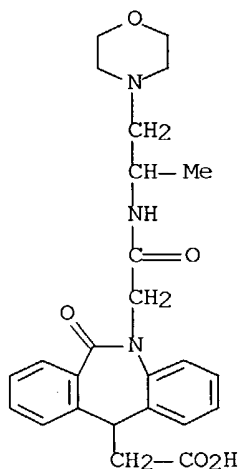
RN 326402-21-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



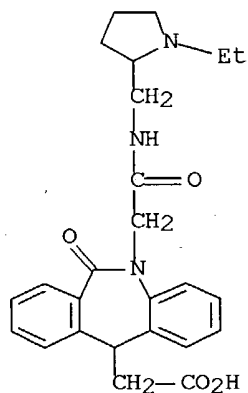
RN 326402-26-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[1-methyl-2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-31-7 CAPLUS

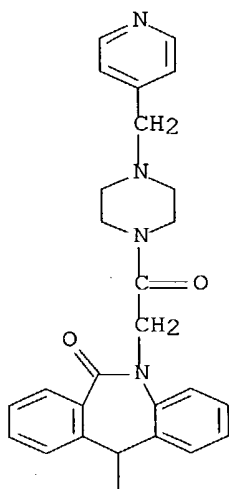
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[(1-ethyl-2-pyrrolidinyl)methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



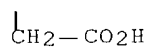
RN 326402-35-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-pyridinylmethyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

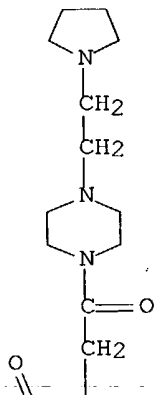


PAGE 2-A

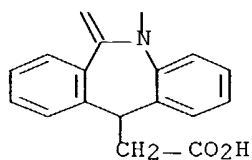


RN 326402-40-8 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
[2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

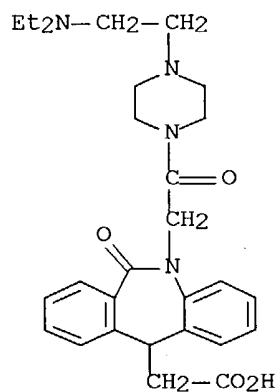


PAGE 2-A



RN 326402-44-2 CAPLUS

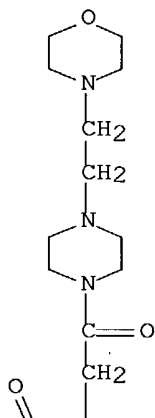
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(diethylamino)ethyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



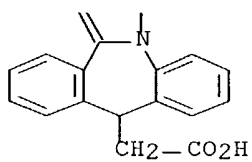
RN 326402-48-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[2-(4-morpholinyl)ethyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

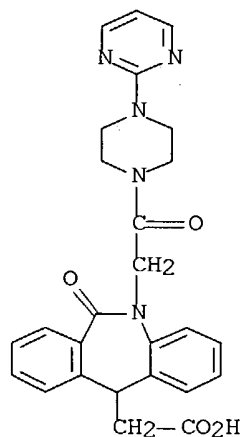
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PAGE 2-A

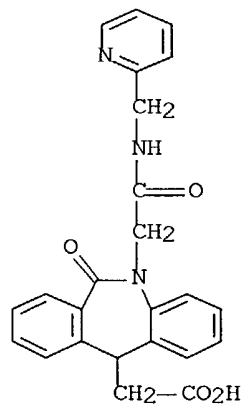


RN 326402-52-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(2-pyrimidinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



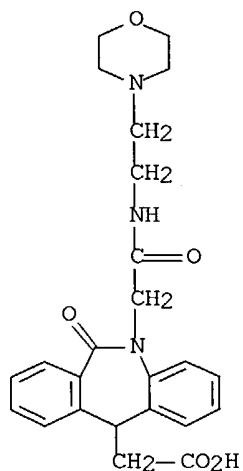
RN 326402-57-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)



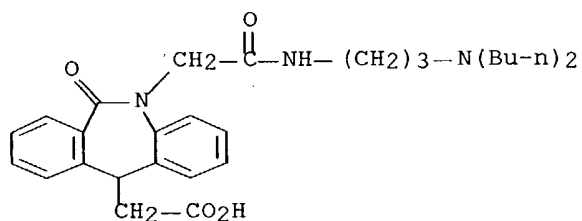
RN 326402-62-4 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[2-(4-morpholinyl)ethyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



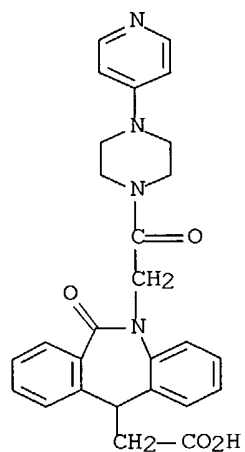
RN 326402-66-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[3-(dibutylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-71-5 CAPLUS

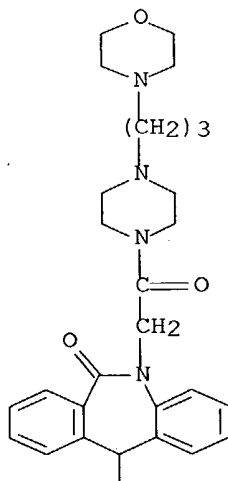
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 326402-76-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[4-[3-(4-morpholinyl)propyl]-1-piperazinyl]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)

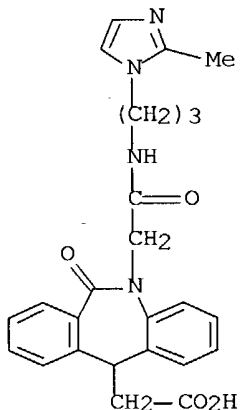
PAGE 1-A



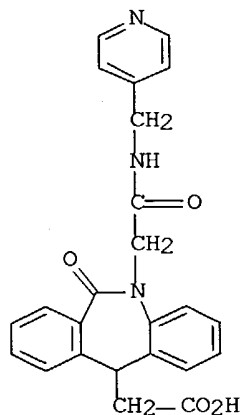
PAGE 2-A

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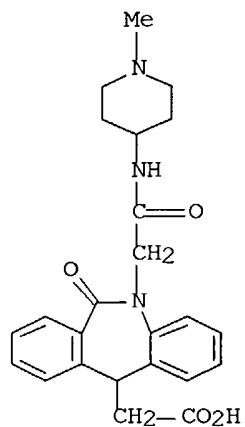
RN 326402-80-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(2-methyl-
 1H-imidazol-1-yl)propyl]amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-85-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[(4-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

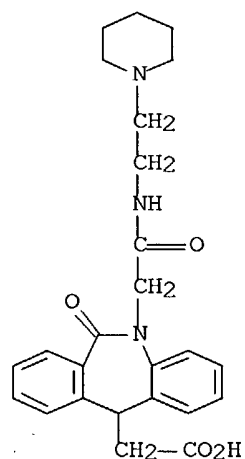


RN 326402-90-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[(1-methyl-4-piperidinyl)amino]-2-oxoethyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 326402-94-2 CAPLUS

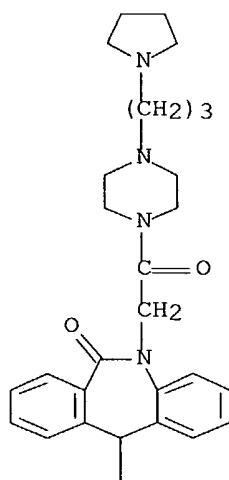
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-(1-methylpiperidin-4-yl)ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)



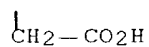
RN 326402-99-7 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-(1-pyrrolidin-1-yl)propyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

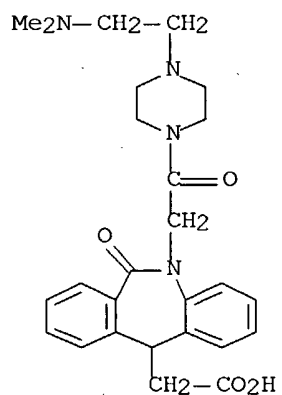
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PAGE 2-A

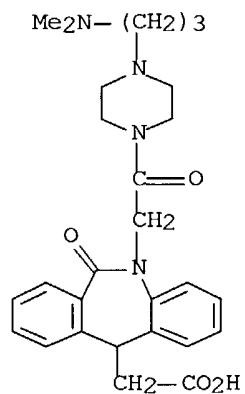


RN 326403-04-7 CAPLUS
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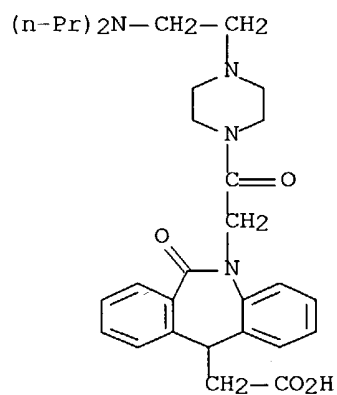


RN 326403-08-1 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dimethylamino)propyl]-

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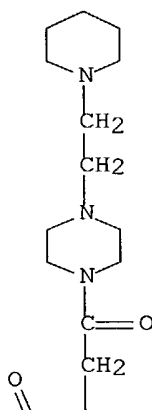


RN 326403-13-8 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[2-(dimethylamino)ethyl]-
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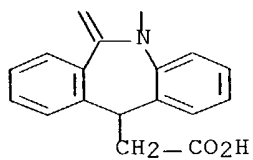


RN 326403-18-3 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
 [2-
 (1-piperidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

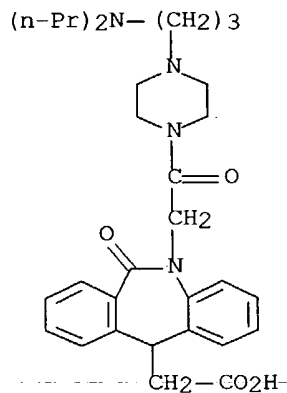
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PAGE 2-A

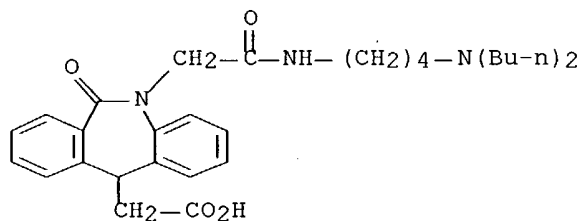


RN 326403-22-9 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[3-(dipropylamino)propyl]-
 1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



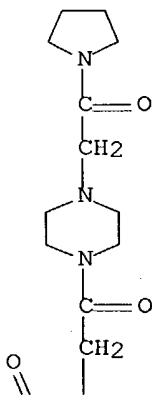
RN 326403-28-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dibutylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

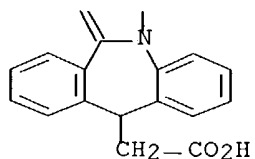


RN 326403-32-1 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-oxo-2-(1-pyrrolidinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

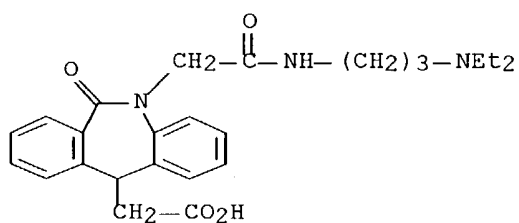


PAGE 1-A



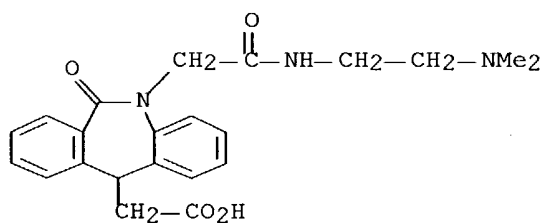
RN 326403-37-6 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[3-(diethylamino)propyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



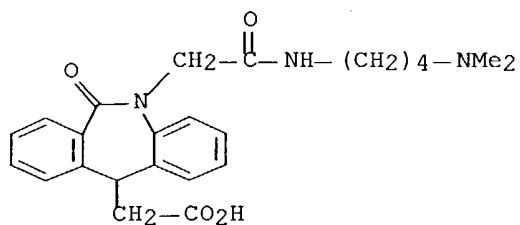
RN 326403-42-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)



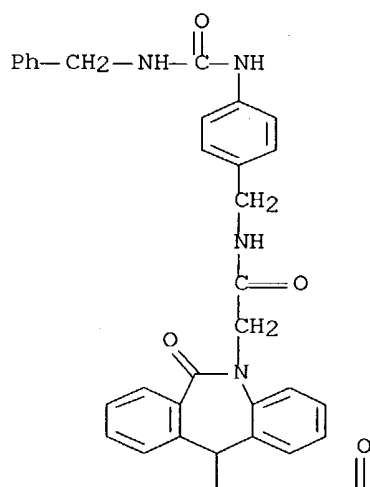
RN 326403-47-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[4-(dimethylamino)butyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

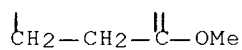


RN 326403-61-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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 methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

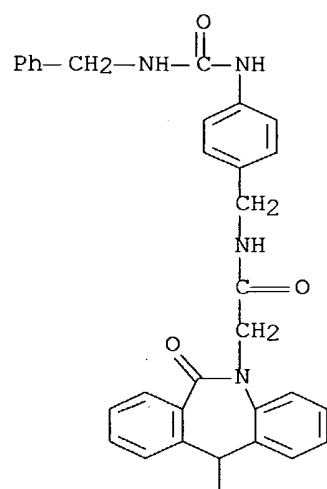


PAGE 2-A

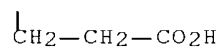


RN 326403-66-1 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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 (9CI) (CA INDEX NAME)

PAGE 1-A



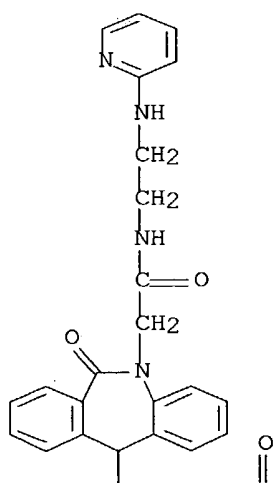
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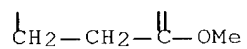
RN 326403-71-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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(2-pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX
NAME)

PAGE 1-A



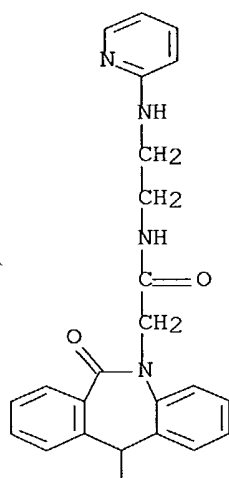
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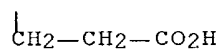
RN 326403-76-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-propanoic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-
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NAME)

PAGE 1-A

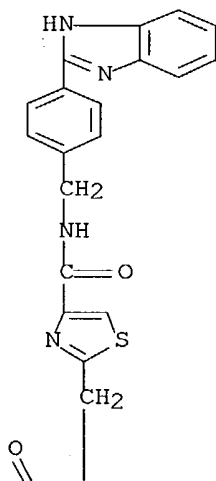


PAGE 2-A

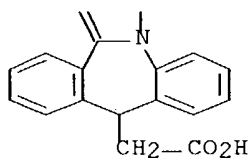


RN 326404-18-6 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[[[4-[[[4-(1H-benzimidazol-2-yl)phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]-6,11-dihydro-6-oxo-(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



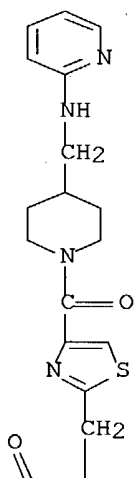
RN 326404-23-3 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[4-[(2-pyridinylamino)methyl]-1-piperidinyl]carbonyl]-2-thiazolyl]methyl]-

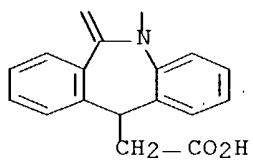
(9CI)

(CA INDEX NAME)

PAGE 1-A

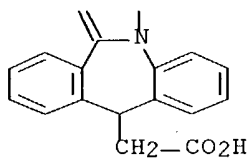
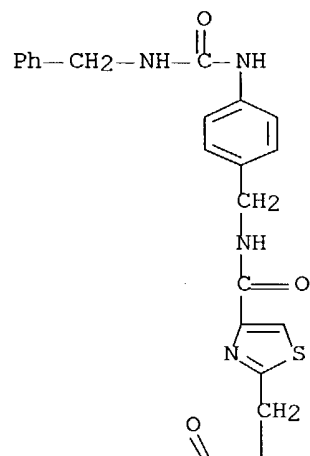


PAGE 2-A



RN 326404-27-7 CAPLUS

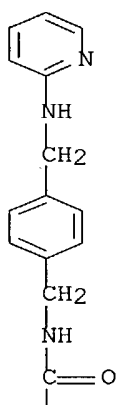
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[4-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



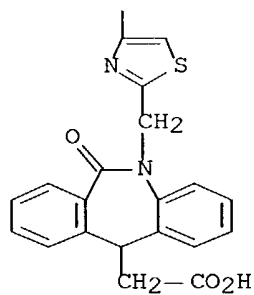
RN 326404-31-3 CAPLUS

5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[4-(2-pyridinylamino)methyl]phenyl]methyl]amino]carbonyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

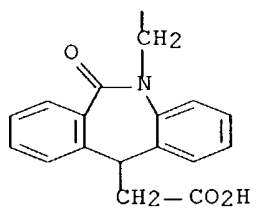
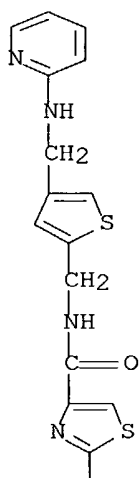


PAGE 2-A



RN 326404-36-8 CAPLUS

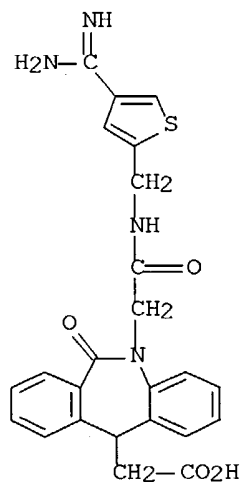
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[[4-[[[4-
[(2-
pyridinylamino)methyl]-2-thienyl)methyl]amino]carbonyl]-2-
thiazolyl)methyl]- (9CI) (CA INDEX NAME)



RN 326471-39-0 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, monoacetate (9CI)
(CA INDEX NAME)

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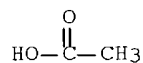
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CM 2

CRN 64-19-7

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326408-54-2P 326410-02-0P 326410-07-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)

(preparation of oxobenzazepinealkanoates and analogs as integrin
receptor

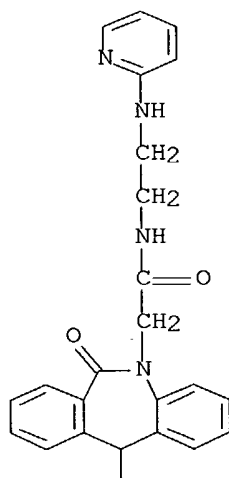
antagonists)

RN 326407-99-2 CAPLUS

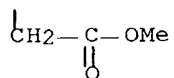
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[[2-(2-

pyridinylamino)ethyl]amino]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

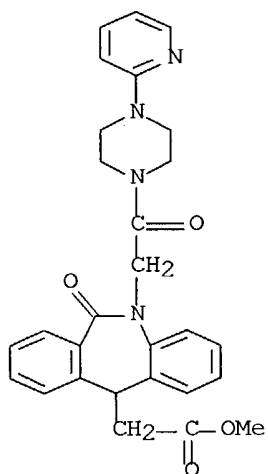
PAGE 1-A



PAGE 2-A

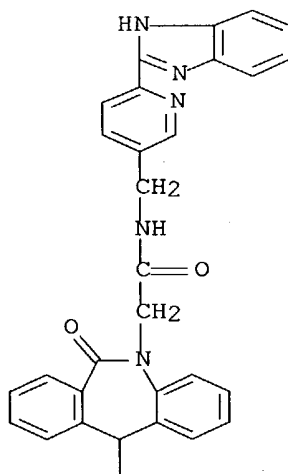


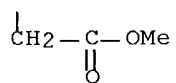
RN 326408-04-2 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-(4-
(2-
pyridinyl)-1-piperazinyl]ethyl-, methyl ester (9CI) (CA INDEX NAME)



RN 326408-08-6 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[6-(1H-benzimidazol-2-yl)-
 3-pyridinyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI) (CA INDEX NAME)

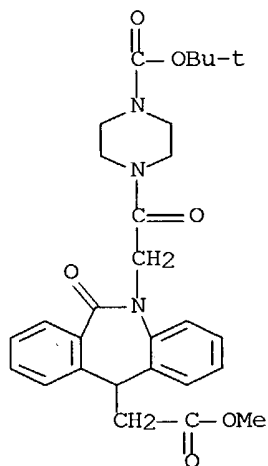
PAGE 1-A





RN 326408-13-3 CAPLUS

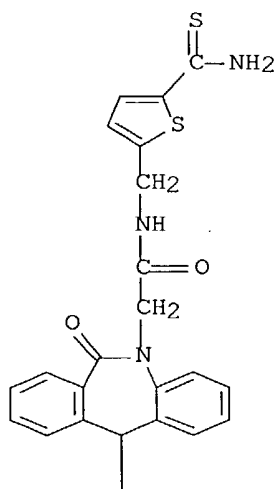
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[4-[(1,1-dimethylethoxy)carbonyl]-1-piperazinyl]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



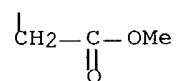
RN 326408-23-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminothioxomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

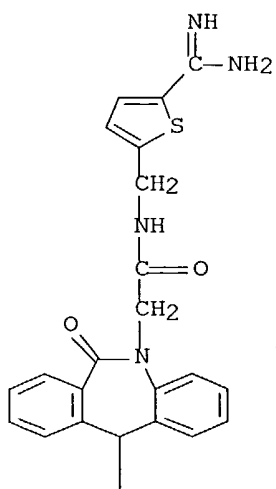


RN 326408-28-0 CAPLUS

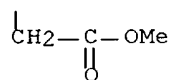
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[5-(aminoiminomethyl)-2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
(9CI)

(CA INDEX NAME)

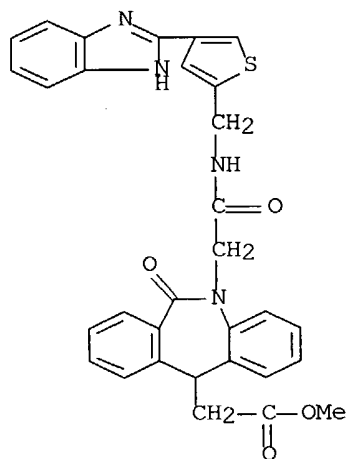
PAGE 1-A



PAGE 2-A



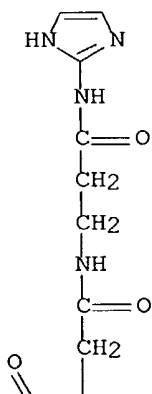
RN 326408-33-7 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 5-[2-[[[4-(1H-benzimidazol-2-yl)-
 2-thienyl]methyl]amino]-2-oxoethyl]-6,11-dihydro-6-oxo-, methyl ester
 (9CI)
 (CA INDEX NAME)

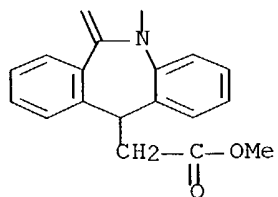


RN 326408-41-7 CAPLUS

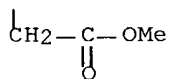
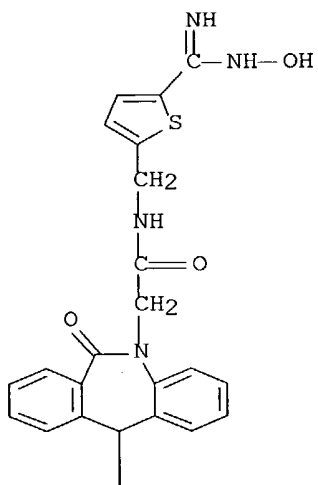
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[3-(1H-imidazol-2-ylamino)-3-oxopropyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

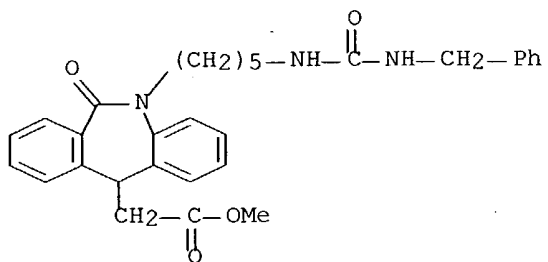




RN 326408-46-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-5-[2-[[[5-(hydroxyamino)iminomethyl]-2-thienyl]methyl]amino]-2-oxoethyl]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 326408-54-2 CAPLUS
 CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[5-[[[(phenylmethyl)amino]carbonyl]amino]pentyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 326410-02-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-(1-piperazinyl)ethyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA

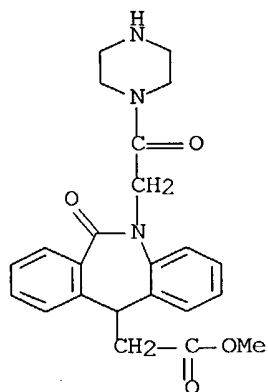
INDEX

NAME)

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CRN 326410-01-9

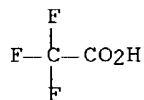
CMF C23 H25 N3 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2

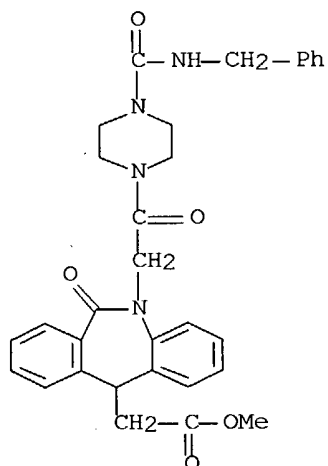


RN 326410-07-5 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-5-[2-oxo-2-[4-
[[(phenylmethyl)amino]carbonyl]-1-piperazinyl]ethyl]-, methyl ester

(9CI)

(CA INDEX NAME)



L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1989:632774 CAPLUS Full-text
 DN 111:232774
 TI Preparation of tricyclic lactams and analogs as muscarinic antagonists
 IN Turconi, Marco; Donetti, Arturo; Cereda, Enzo; Quintero, Myrna Gil;
 Schiavi, Giovanni Battista; Micheletti, Rosamaria
 PA Istituto De Angeli S.p.A., Italy
 SO Eur. Pat. Appl., 46 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 309422	A2	19890329	EP 1988-830374	19880919
	EP 309422	A3	19900110		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	DD 282689	A5	19900919	DD 1988-319831	19880915
	DK 8805226	A	19890322	DK 1988-5226	19880920
	FI 8804305	A	19890322	FI 1988-4305	19880920
	NO 8804174	A	19890322	NO 1988-4174	19880920
	JP 01132567	A2	19890525	JP 1988-236178	19880920
	AU 8822380	A1	19890323	AU 1988-22380	19880921
PRAI	IT 1987-21978	A	19870921		

OS MARPAT 111:232774

GI For diagram(s), see printed CA Issue.

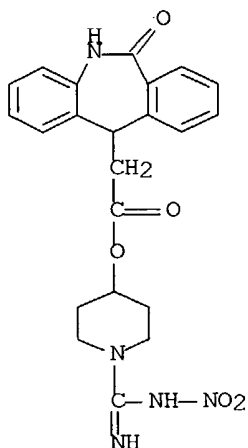
AB Title compds. I [R = H, halo; X = N, CH; W = NHCO, CH:CH, (CH₂)₂, O, S; R₁ = H, C₁-4 alkyl; n = 0, 1; Y = S, CH; A = C, N; B = CH when A ≠ N, CO₂, CO, CH₂; m = 0-3; Z = NH, CO, CO₂, CH, bond; p, q = 0, 1; Q = (homo)piperazinyl, piperidinyl, troyl, tetrahydroprimidinyl, the above groups may be substituted by a C₁-4 alkyl or an amino; R = CR₂:NR₃; R₂ = H, C₁-4 alkyl, (C₁-4 alkyl- or Ph-substituted) amino; R₃ = C₁-8 alkyl, H (provided that the bond of QR is a C-C bond or AB = C:CH); R₂R₃ = atoms to form a 5-membered ring] are prepared for treatment of motility disorders of the gastrointestinal or urogenital tract and peptic ulcer disorders. A mixture of 5,10-dihydro-5-[2-piperazin-1-yl)acetyl]-11H-dibenzo[b,e][1,4]-diazepin-11-one and H₂NC(:NH)SMe.H₂SO₄ in EtOH was refluxed to give the 4-guanylpiperazinyl analog isolated as its 2 HCl salt. The latter salt showed a dissociation constant (K_D) of 6 nM for displacement of 3H-pirenzepine from cerebral cortex homogenate of rats. Tablets were formulated containing I 20, lactose 247, cornstarch 30, and Mg stearate 3 mg.

IT **122860-50-8P 122860-58-6P 122860-66-6P**
122860-68-8P 122882-85-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (preparation and reaction of, in preparation of muscarinic antagonists)

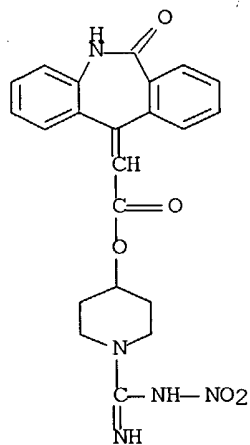
RN 122860-50-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-,
 1-[imino(nitroamino)methyl]-4-piperidinyl ester (9CI) (CA INDEX NAME)



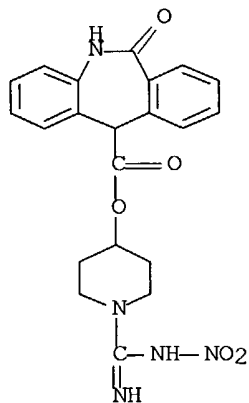
RN 122860-58-6 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, 1-[imino(nitroamino)methyl]-4-piperidinylnitrosamine (9CI) (CA INDEX NAME)



RN 122860-66-6 CAPLUS

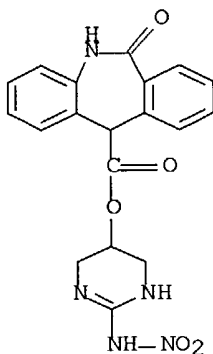
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-[imino(nitroamino)methyl]-4-piperidinylnitrosamine (9CI) (CA INDEX NAME)



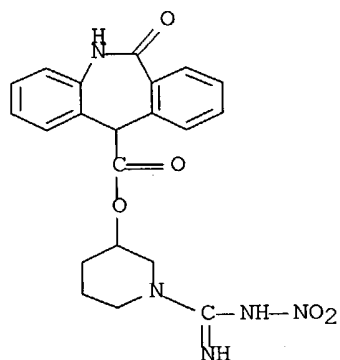
RN 122860-68-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-[imino(nitroamino)methyl]-4-piperidinylnitrosamine (9CI) (CA INDEX NAME)

1,4,5,6-tetrahydro-2-(nitroamino)-5-pyrimidinyl ester (9CI) (CA INDEX NAME)



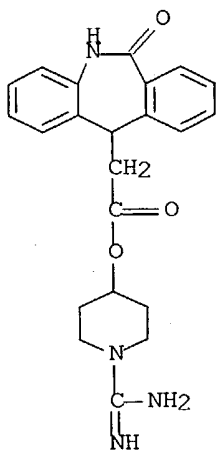
RN 122882-85-3 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
1-[imino(nitroamino)methyl]-3-piperidinyl ester (9CI) (CA INDEX NAME)



IT 122882-58-0P 122882-61-5P 122882-62-6P
122882-63-7P 122882-64-8P 122882-66-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as muscarinic antagonist)
RN 122882-58-0 CAPLUS
CN 5H-Dibenz[b,e]azepine-11-acetic acid, 6,11-dihydro-6-oxo-,
1-(aminoiminomethyl)-4-piperidinyl ester, monoformate (9CI) (CA INDEX NAME)

CM 1

CRN 122882-57-9
CMF C22 H24 N4 O3



CM 2

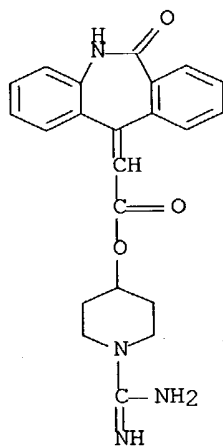
CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 122882-61-5 CAPLUS

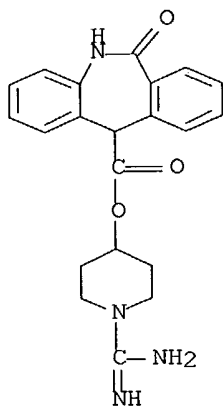
CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-, 1-(aminoiminomethyl)-4-piperidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 122882-62-6 CAPLUS

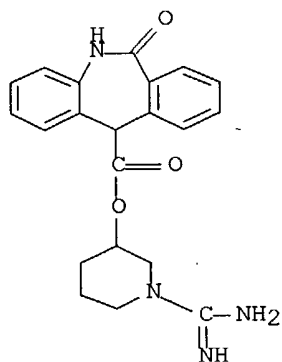
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-, 1-(aminoiminomethyl)-4-piperidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 122882-63-7 CAPLUS

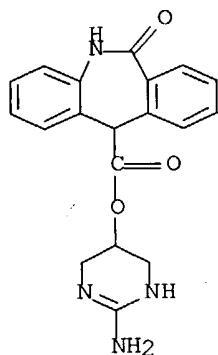
CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
1-(aminoiminomethyl)-3-piperidinyl ester, monohydrochloride (9CI) (CA
INDEX NAME)



● HCl

RN 122882-64-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
2-amino-1,4,5,6-tetrahydro-5-pyrimidinyl ester, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

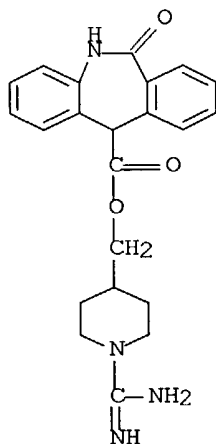
RN 122882-66-0 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 6,11-dihydro-6-oxo-,
[1-(aminoiminomethyl)-4-piperidinyl]methyl ester, monoformate (9CI) (CA
INDEX NAME)

CM 1

CRN 122882-65-9

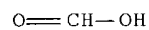
CMF C22 H24 N4 O3



CM 2

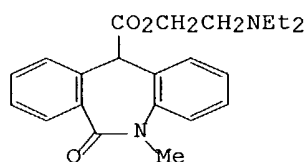
CRN 64-18-6

CMF C H2 O2



L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1987:4907 CAPLUS Full-text
 DN 106:4907
 TI Preparation of morphanthridine analogs as pharmaceuticals
 IN Senda, Shigeo; Ueda, Takashi; Nakagawa, Kazuyuki
 PA Otsuka Pharmaceutical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61167663	A2	19860729	JP 1985-7854	19850118
	JP 06065664	B4	19940824		
PRAI	JP 1985-7854		19850118		
GI					



I

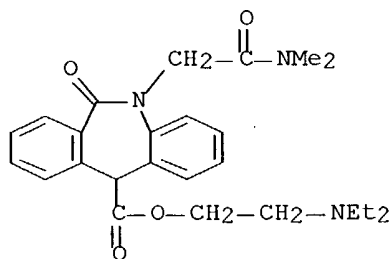
AB Analogs of morphanthridine (I) are prepared and are useful in the treatment of arrhythmia, inflammation, diuresis, and ulcer. Thus, I was prepared by treating 5-methyl-11-carboxy-6-oxomorphanthridine first with thionyl chloride and then with diethylaminoethanol. Thirty-four I analogs were prepared. The inhibitory actions of I analogs on gastric acid secretion were demonstrated. No other pharmacol. studies were described.

IT **105671-18-9P 105671-33-8P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pharmaceutical)

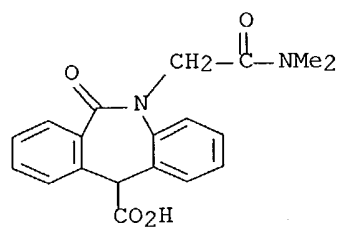
RN 105671-18-9 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 5-[2-(dimethylamino)-2-oxoethyl]-6,11-dihydro-6-oxo-, 2-(diethylamino)ethyl ester (9CI) (CA INDEX NAME)



RN 105671-33-8 CAPLUS

CN 5H-Dibenz[b,e]azepine-11-carboxylic acid, 5-[2-(dimethylamino)-2-oxoethyl]-6,11-dihydro-6-oxo- (9CI) (CA INDEX NAME)

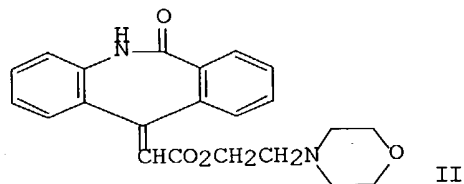
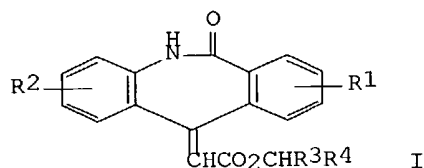


L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1984:103199 CAPLUS Full-text
 DN 100:103199
 TI 5,6-Dihydro-11-alkylenemorphanthridin-6-ones and a drug containing them
 IN Steiner, Gerd; Friedrich, Ludwig; Lenke, Dieter
 PA BASF A.-G. , Fed. Rep. Ger.
 SO Ger. Offen., 18 pp.
 CODEN: GWXXBX

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3212794	A1	19831013	DE 1982-3212794	19820406
	CA 1215046	A1	19861209	CA 1983-424134	19830322
	EP 91057	A2	19831012	EP 1983-103054	19830328
	EP 91057	A3	19840502		
	EP 91057	B1	19860611		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 20345	E	19860615	AT 1983-103054	19830328
	JP 58192871	A2	19831110	JP 1983-58804	19830405
	US 4477451	A	19841016	US 1983-482004	19830405
PRAI	DE 1982-3212794	A	19820406		
	EP 1983-103054	A	19830328		
OS	CASREACT 100:103199				
GI					



AB Morphanthridinones I [R1,R2 = H, halo, C1-3 alkyl, CF3; R3 = C2-4 aminoalkyl, N (un)substituted with C1-3 alkyl or may complete a 5- to 7-membered saturated ring, optionally having N, O, or S atom as further heteroatom or CO group; R4 = H; R3R4 complete a 5- to 7-membered ring, C1-3 alkyl (un)substituted, optionally having CH2 or (CH2)2 bridge or a N atom alkyl (un)substituted or N-oxide], useful in treating gastric or duodenal ulcers (no data), were prepared. A mixture of cis- and trans-11-(carbomethoxymethylene)-5,6-dihydromorphanthridin-6-one was saponified with 10% aqueous alc. NaOH to give 94% of the free acids which were converted to 99% of the acid chlorides with SOCl2. Esterification of the acid chlorides with 4-(2-hydroxyethyl)morpholine gave 66% cis- and trans-II.

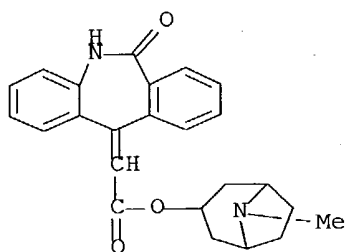
IT **88695-66-3**

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation as ulcer inhibitor)

RN 88695-66-3 CAPLUS

CN Acetic acid, (5,6-dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)-,

8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester (9CI) (CA INDEX NAME)



=> d l1; d l2; d his; log y
L1 HAS NO ANSWERS
L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L2 HAS NO ANSWERS
L2 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

(FILE 'STNGUIDE' ENTERED AT 18:52:38 ON 06 JAN 2005)
DEL HIS Y

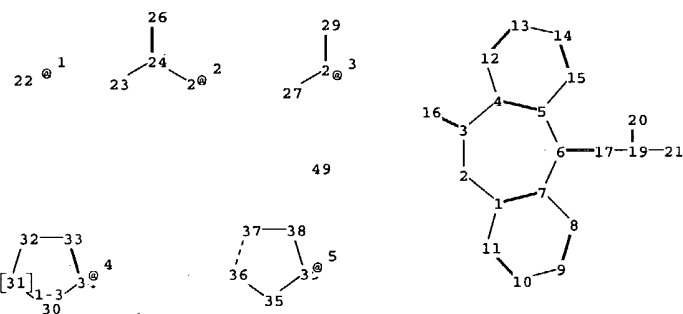
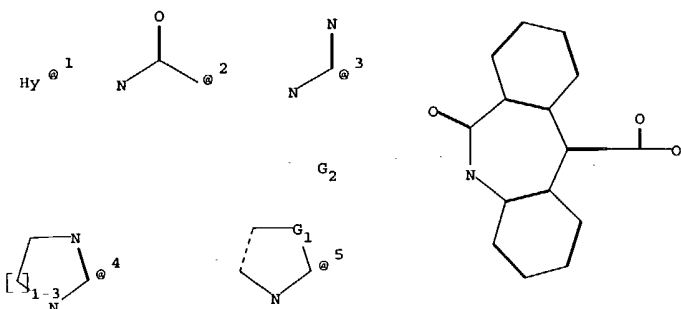
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L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 1 S L1
L4 4 S L2
L5 4 S L1 OR L2
L6 193 S L1 OR L2 FUL

FILE 'CAPLUS' ENTERED AT 19:02:50 ON 06 JAN 2005
L7 6 S L6

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	30.09	280.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.38	-4.38

STN INTERNATIONAL LOGOFF AT 19:03:39 ON 06 JAN 2005



Main nodes :
 16 17 19 20 21 22 24 25 26 28 29 49
 Ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 30 31 32 33 34 35 36 37 38 39
 Ring/chain nodes :
 23 27
 Main bonds :
 3-16 6-17 17-19 19-20 19-21 23-24 24-25 24-26 27-28 28-29
 Ring bonds :
 1-2 1-7 1-11 2-3 3-4 4-5 4-12 5-6 5-15 6-7 7-8 8-9 9-10 10-11 12-13 13-14
 14-15 30-31 30-34 31-32 32-33 33-34 35-36 35-39 36-37 37-38 38-39
 Act/norm bonds :
 1-2 2-3 3-4 3-16 5-6 6-7 6-17 17-19 19-20 19-21 23-24 24-25 24-26 27-28 28-29
 30-31 30-34 31-32 32-33 33-34 35-36 35-39 36-37 37-38 38-39
 Normalized bonds :
 1-7 1-11 4-5 4-12 5-15 7-8 8-9 9-10 10-11 12-13 13-14 14-15

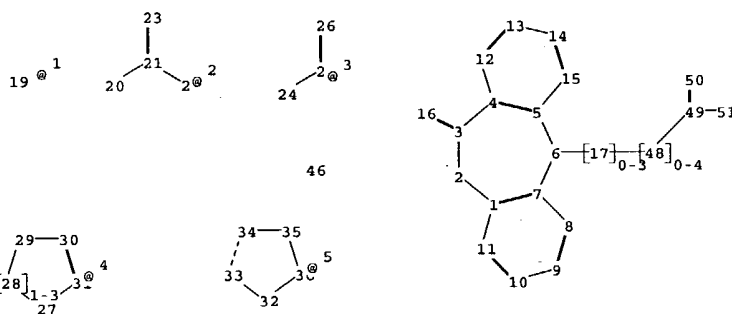
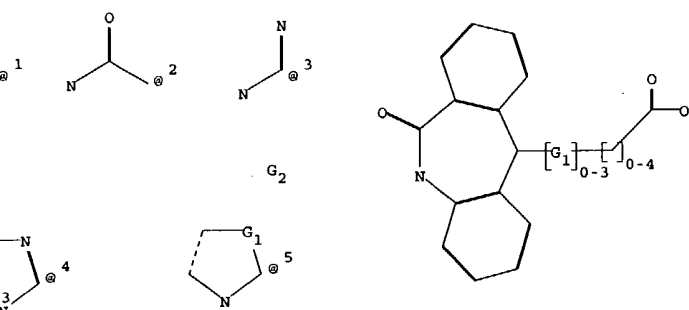
:C,O
 :[*1],[*2],[*3],[*4],[*5]

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 19:CLASS 20:CLASS 21:CLASS
 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom
 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 49:CLASS

Generic attributes :

22:
 Saturation : Unsaturated
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic

Element Count :



n nodes :
 16 17 19 21 22 23 25 26 46 48 49 50 51
 g nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 27 28 29 30 31 32 33 34 35 36
 g/chain nodes :
 20 24
 n bonds :
 3-16 6-17 17-48 20-21 21-22 21-23 24-25 25-26 48-49 49-50 49-51
 g bonds :
 1-2 1-7 1-11 2-3 3-4 4-5 4-12 5-6 5-15 6-7 7-8 8-9 9-10 10-11 12-13 13-14
 14-15 27-28 27-31 28-29 29-30 30-31 32-33 32-36 33-34 34-35 35-36
 ct/norm bonds :
 1-2 2-3 3-4 3-16 5-6 6-7 6-17 17-48 20-21 21-22 21-23 24-25 25-26 27-28 27-31
 28-29 29-30 30-31 32-33 32-36 33-34 34-35 35-36 48-49 49-50 49-51
 malized bonds :
 1-7 1-11 4-5 4-12 5-15 7-8 8-9 9-10 10-11 12-13 13-14 14-15

C,O
 [*1],[*2],[*3],[*4],[*5]

ch level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:Atom 19:Atom 20:CLASS 21:CLASS
 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom 29:Atom 30:Atom
 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 46:CLASS 48:CLASS 49:CLASS
 50:CLASS 51:CLASS

eric attributes :
 19:
 Saturation : Unsaturated
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic